

NYSEG

NEW YORK STATE ELECTRIC & GAS CORPORATION

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Binghamton, New York 13902-5224

INTERIM REMEDIAL MEASURES

FINAL ENGINEERING REPORT

**FOR REMOVAL OF COAL TAR
ASSOCIATED WITH**

**GENEVA/BORDER CITY
FORMER MANUFACTURED GAS PLANT SITE
Town of Waterloo, Seneca County, New York**

Site No. 8-50-008

May 2005

Prepared By:
NYSEG Site Investigation and Remediation

Reviewed and Approved By:
New York State Department of Conservation
And New York State Department of Health

TABLE OF CONTENTS

SECTION	Page
List of Acronyms	i
1.0 EXECUTIVE SUMMARY	1
1.1 Certification	1
2.0 INTRODUCTION	2
2.1 Site Description and History	2
3.0 PROJECT OBJECTIVES	3
4.0 PROJECT EXECUTION	3
4.1 Excavation Activities	3
4.2 Engineering Controls	5
4.2.1 Dust Control	5
4.3 Disposal Activities	5
4.4 Post Excavation Soil Sampling	7
4.5 Site Restoration	7
5.0 COMMUNITY AIR MONITORING	7
5.1 Real-Time Air Monitoring - Volatile Organic Compounds & Total Suspended Particulates	7
5.2 Speciated Real-Time Air Monitoring (BTEX)	8

TABLES

4-1 Solid Material Disposal Summary	6
4-2 Water Disposition Summary	6
5-1 Summary of Results Real-time Air Monitoring Program	8
5-2 Summary of Results Speciated BTEX Air Monitoring Program	9

FIGURES

FIGURE 1	Site Location Map
FIGURE 2	Former Operations Layout
FIGURE 3	Pre-Remediation In-Situ Sampling Plan
FIGURE 4	Project Layout
FIGURE 5	Confirmation Sampling Locations

APPENDIXES

Appendix A	Photographic Log
Appendix B	Pre-Remediation In Situ Samples Analytical Results
Appendix C	Material Disposition
Appendix D	Analytical Results for Community Air Monitoring
Appendix E	Analytical Results for Endpoint Confirmation Samples
Appendix F	Data Usability Summary Report
Appendix G	New York State Department of Environmental Conservation Approval Letter

List of Acronyms Referred to in the Document

ACGIH	American Congress of Government Industrial Hygienists
ALJ	Administrative Law Judge
ANSI	American National Standards Institute
AQMP	Air-Quality Monitoring Program
ASP	analytical service protocol
ASTM	American Society for Testing and Materials
AWQC	Ambient Water Quality Criteria
BTEX	benzene, toluene, ethylbenzene and xylene
BTU	British thermal unit
cPAH	Carcinogenic Polycyclic Aromatic Hydrocarbons
C	centigrade
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COC	Chain-of-Custody
CPP	Citizen Participation Plan
CPR	cardiopulmonary resuscitation
CQAP	Construction Quality Assurance Plan
CTS	coal tar soils
DI	deionized
DUSR	Data Usability Summary Report
ECL	Environmental Conservation Law
EEL	Edison Electric Institute
ELAP	Environmental Laboratory Approval Program
EMS	Emergency Medical Services
EPA	Environmental Protection Agency
EPRI	Electric Power Research Institute
F	Fahrenheit
FS	feasibility study
GC	gas chromatograph
GCS-DN	gas chromatograph station downwind
GCS-UP	gas chromatograph station upwind
GHF	gas holder foundation
HASP	Health and Safety Plan
HEPA	high efficiency particulate air
HSM	Health & Safety Manager
IARC	International Agency for Research on Cancer
ID	identification
IRMs	interim remedial measures
Kg	kilogram
L	liter
LGAC	liquid-phase granular activated carbon

NYSEG

Geneva/Border City Former Manufactured Gas Plant Site, Town of Waterloo, NY
Interim Remedial Measures Final Engineering Report

ii

mg	milligram
MGP	manufactured gas plant
MS	matrix spike
MSD	matrix spike duplicate
MMBTU	million British thermal units
MSDS	material safety data sheet
NCP	National Contingency Plan
NIOSH	National Institute for Occupational Safety and Health
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
NYSEG	New York State Electric & Gas Corporation
OSHA	Occupational Safety and Health Act or Administration
PAHs	polycyclic aromatic hydrocarbons
PC	personal computer
PCBs	polychlorinated biphenyls
PEL	permissible exposure limits
PHSC	Project Health and Safety Coordinator
PID	photo ionization detector
POTW	Public Owned Treatment Works
PM	Project Manager
ppb	part per billion
PPE	personal protective equipment
ppm	parts per million
PSA	preliminary site assessment
QA	quality assurance
QAPP	Quality Assurance Project Plan
QA/QC	quality assurance/quality control
QC	quality control
O&M	operation and maintenance
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RI/FS	remedial investigation/feasibility study
ROD	record of decision
RTS1	Real-time Station 1
RTS4	Real-time Station 4
SAP	Sampling and Analysis Plan
SCGs	Standards, Criteria, and Guidance
SGC	short-term guideline concentrations
SHSO	Site Health & Safety Officer
SPL	sound pressure level
STEL	short-term exposure limits

SVOCs	semivolatile organic compounds
SW	solid waste
T & A	time and activity
TAGM	technical and administrative guidance memorandum
TCLP	toxicity characteristic leachate procedure
TLVs	threshold limit values
TPAH	total polycyclic aromatic hydrocarbons
UFPO	Underground Facility Protection Organization
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds
VOA	volatile organic analysis

1.0 EXECUTIVE SUMMARY

This interim remedial measures project was completed in a safe and timely manner with essentially no impact to the ambient air quality as documented in the results of the community air-monitoring plan.

The objective of this interim remedial measures was to remove coal tar that has migrated from a tar pit to the surface at the western most portion of the Geneva/Border City former manufactured gas plant site. Remedial excavation of 75,000 square feet included the removal of the remains of a tar storage vessel and a subsurface concrete structure. A total of 13,864 tons of coal tar impacted soil and debris was removed and disposed of off site. In addition, 93,705 gallons of groundwater from the excavation was removed and disposed of off site.

1.1 Certification

I hereby certify that all activities that comprised the interim remedial measures were performed in full accordance with the NYSDEC approved Interim Remedial Measures *Work Plan* and Order on Consent Index No. D0-0002-9309.



Signature:

A handwritten signature in cursive script that reads "Joseph M. Simone".

Name:

Joseph M. Simone, P.E.

Title:

Manager - Site Investigation and Remediation

License Number:

073728

~~WARNING: It is a violation of the
Education Law of New York §
45, for any person, unless acting
under the direction of a licensed professional,
to enter this document.~~

2.0 INTRODUCTION

This report documents the implementation and completion of the approved interim remedial measures project at a NYSEG- owned Geneva/Border City former manufactured gas plant site located on Border City Road in the Town of Waterloo, Seneca County, New York (Figure 1). The remedial work primarily consisted of controlled excavation of contaminated soil and underground structural remnants of a former manufactured gas plant, offsite disposal of contaminated materials and placement of imported backfill to establish a finished grade.

The remedial work scope as established in the document titled *Interim Remedial Measures Work Plan for Removal of Coal Tar Associated With Geneva/ Border City Former Manufactured Gas Plant Site, Town of Waterloo, Seneca County, New York*, dated March 2004 was reviewed and approved by the NYSDEC in accordance with Section III of Order on Consent Index D0-0002-9309.

2.1 Site Description and History

NYSEG owns the entire site and currently uses the site as NYSEG's Geneva Service Center. The Service Center facilities include a vehicle repair shop, equipment storage, and business offices. An electric substation is also present on the property. The site is located in the midst of both commercial and undeveloped land, with a major highway to the south, and agricultural/residential areas to the east, north and west. Seneca Lake State Park is situated about 500 feet south of the site.

The majority of the site is either paved, graveled or covered with buildings. Included among these structures are the original purifier house, the compressor room and the old office building. The site terrain is generally flat, with grass, shrubs and trees occupying undeveloped areas. Those portions of the site containing the tar well area are fenced, with public access restricted.

A review of the history, the property ownership and plant operations can be found in the Task 1 (Historical Research) Report, prepared by TRC Environmental Consultants, Inc. A condensed summary is presented here.

From approximately 1901 through 1934, NYSEG (or its predecessor companies) used the former manufactured gas plant site in Border City to produce coal gas by coal carbonization and water gas processes. NYSEG has owned the property since 1932. On August 29, 1934, the gas plant was officially closed. After the gas plant closed, some of the former structures were razed and the remaining ones were converted for the use as NYSEG operations center for the Geneva area.

3.0 PROJECT OBJECTIVES

The overall objective was the excavation and off-site disposal of coal tar that has migrated from a tar well to the surface at the western most portion of the former manufactured gas plant site and document the limits of excavation (sidewall and bottom) for coal tar related compounds. Any remaining contamination detected by these confirmation samples will be addressed in the feasibility study.

4.0 PROJECT EXECUTION

This project was completed in accordance with the Interim Remedial Measures *Work Plan*. Site setup and preparation began on May 10, 2004. Soil excavation began on May 17, 2004 following completion of site preparation. The *IRM* was completed on July 26, 2004. Appendix A contains a photographic log of the project.

4.1 Excavation Activities

The excavation activities started in the southeast corner of the project area as shown on Figure 4. The final area of excavation was 75,000 square feet. The contaminated soil was removed in strips approximately 20 feet wide from east to west. The contaminated soil was removed to a clean silt layer that averaged depth 3.5 feet below ground surface. Most of the excavated soil was placed directly into dump trailers. The excavated soil that wasn't placed directly into dump trailers was stockpiled within the excavation and covered overnight with polyethylene sheeting. The excavation was filled in daily with 2-inch minus gravel that was placed in layers and compacted with a vibrator roller. The area of the excavation that wasn't ready for backfilling was covered with polyethylene sheeting.

During the excavation of the tar pit area the remains of a 32-foot diameter tar storage vessel were encountered at the southeast area of the project area. The metal vessel had an 8-inch thick concrete foundation that was approximately 3 feet below ground level. The contractor folded the metal vessel into thirds and placed on polyethylene sheeting in the northwest corner of the site. The vessel was then covered with polyethylene sheeting. The concrete base was broken up in 1-foot X 1-foot pieces and mixed with the contaminated soil that was transported to ESMI of New York's thermal treatment facility located in Fort Edward, NY.

On May 24, 2004 at approximately 11:45 a.m., while a worker was using cutting torches to cut the metal vessel, coal tar ignited and started a fire inside the folded metal. Site workers using fire extinguishers and a 2-inch hose attached to on-site fire hydrant extinguish the fire in approximately 15 minutes.

On May 27, 2004, using an excavator the contractor unfolded the metal vessel. The inside of the vessel was then cleaned using a high-pressure washer. A worker using cutting torches proceeded to cut the vessel in pieces small enough to fit in roll-off containers. The metal was transported to Casie Protank Environmental Services located in Vineland, NJ where it was decontaminated and recycled.

A subsurface concrete structure containing coal tar, small pipes, wood and soils was encountered east of the tar storage vessel. The material within the structure was mixed with on-site soil and transported to ESMI of New York's thermal treatment facility. After the materials were removed within the concrete structure, the sidewalls and floor of the concrete structure were cleaned using a solution of BIO SOLVE® and water applied with a high-pressure washer. The contractor used a hydraulic hammer mounted on an excavator to break up the concrete structure. The concrete pieces were placed on polyethylene sheeting, samples were collected for waste characterization and the concrete was covered with polyethylene sheeting. The concrete was transported and disposed at Seneca Meadows Landfill located in Waterloo, NY.

A total of fourteen loads of contaminated soil were rejected at ESMI of New York's thermal treatment facility for non-conformance. This soil was transported back to the site where it was unloaded back in the excavation. This soil was then loaded and transported to Casie Protank Environmental Services Mid Atlantic Recycling Tech thermal treatment facility located in Vineland, NJ.

NYSEG extended the excavation area to the east, north and west beyond the limits proposed in the Interim Remedial Measures Work Plan. Contaminated soil to the north ended 20 feet south of the NYSEG garage and shop. The excavation to the west included an additional 250 feet to the property fence.

An 8-inch diameter clay pipe containing coal tar was discovered in the extended area to the west. The pipe and its contents were removed back to the western limits of the excavation. The pipe that remains outside the limits of excavation will be evaluated as part of the Remedial Investigation.

An area in the middle of the extended excavation to the west had contamination still remaining in the bottom of the excavation. This area was excavated to a depth (12 feet) that extended through the silt layer and was below the groundwater at the time of excavation. This area will be evaluated as part of the Remedial Investigation.

4.2 Engineering Controls

4.2.1 Dust Control

Engineering controls for this project were successful in preventing fugitive dust emissions. The engineering controls consisted of covering the soil stockpiles and impacted soils with polyethylene sheeting as soon as possible after activity was completed and at the end of the workday. In addition, application of a light mist of BIO SOLVE® to impacted soil effectively controlled odors and dust during the soil removal operation. Onsite haul routes were watered utilizing a water truck equipped with a spray boom bar to minimize dust emissions.

4.3 Disposal Activities

Waste materials were classified as either RCRA hazardous or non-hazardous based on the following information:

- Pre-remediation Sampling: The site was sampled in specific areas where contamination was suspected.
- Disposal Sampling: Additional sampling was required by disposal facilities based on volume increments. Sample data was used to verify that the waste material was homogeneous and continued to meet waste classification requirements.

Soil and debris (i.e., pipe, wood and concrete, etc) that was non-hazardous was transported to Seneca Meadows Landfill located in Waterloo, NY. The total tonnage transported to Seneca Meadows Landfill was 7,274.64 tons.

Soil that was Conditionally Exempt Manufactured Gas Plant Remediation Waste was transported to ESMI of New York thermal treatment facility located in Fort Edwards, NY and Casie Protank Environmental Services Mid Atlantic Recycling Tech thermal treatment facility located in Vineland, NJ. The total tonnage shipped to ESMI of New York thermal treatment facility was 2,059.12 and the total tonnage shipped to Casie Protank Environmental Services thermal treatment facility was 4,530.54. This waste consisted of coal tar contaminated soil and construction debris including concrete, bricks, and wood met the TCLP limit for benzene (0.5 mg/l) but contained high levels of polycyclic aromatic hydrocarbons (PAHs). This waste was conditionally exempt from RCRA hazardous waste disposal requirements per enforcement directive issued by the New York State Department of Environmental Conservation (NYSDEC) given the following:

- The MGP waste is thermally treated

- The MGP waste does contain discernable amounts of purifier waste and is tested or hazardous characteristics of reactivity, total cyanide, and sulfur.
- The MGP waste is compatible with thermal treatment.

RCRA hazardous waste included pipe and metal containing coal tar residuals which was loaded directly onto covered roll-offs and eventually shipped to Casie Protank Environmental Services, Mid Atlantic Recycling Tech facility for decontamination, thermal treatment, salvage and/or disposal.

Water from excavation as well as water from the equipment decontamination area was pumped into two frac tanks. The water was sampled from each tank to characterize the water for determining the appropriate mode of treatment. The contaminated water during this project was classified as RCRA non-hazardous and was transported to Clean Harbors of Connecticut facility located in Bristol, Connecticut. Table 4-1 summarizes the disposition of solid material and Table 4-2 summarizes the disposition of water for this project. The list of shipments by date is included in Appendix C.

Table 4-1		
Solid Material Disposal Summary		
Facility	Disposal Method	Tonnage
Seneca Meadows, Inc., Waterloo, NY.	Landfill	7,274.64
ESMI of New York in Fort Edwards, NY.	Thermally treated	2,059.12
Casie Protank Environmental Services, Vineland, NJ.	Thermally treated	4,530.54
Total		13,864.30
• For list of shipments by date see Appendix C		

Table 4-2	
Water Disposition Summary	
Facility	Gallons
Clean Harbors of Connecticut, Inc., Bristol, CT	93,705
* For list of shipments by date see Appendix C	

4.4 Post Excavation Soil Sampling

The analytical results of all post excavation soil samples are shown on Figure 5 and are summarized in Appendix E along with a copy of the laboratory reports. A Data Usability Summary Report (DUSR) narrative for all post excavation soil samples is also included in Appendix F.

The following areas will be addressed in the upcoming feasibility study where a final remedy for the site will be determined:

- Area south of the high-pressure gas main.
- Area east of the limits of excavation
- Hot spot in the southwest area of the area of excavation
- Area to the west where an 8-inch clay tile, that contained coal tar, continued beyond the limit of excavation.

4.5 Site Restoration

Immediately after collecting the confirmation samples the area of excavation was filled by placing and compacting imported gravel that was 2-inch minus crusher-run. Once the remediation area was completed final grades were established across the entire remediation area for proper rain runoff to the western most area of the site. Restoration was completed by placing and compacting limestone that was 2-inch minus crusher-run. The site was returned to its former use as an equipment storage area.

5.0 COMMUNITY AIR MONITORING

5.1 Real-Time Air Monitoring - Volatile Organic Compounds & Total Suspended Particulates

Real time air quality data were collected from the site perimeter using (1) a photo ionization detector (PID) to monitor total volatile organic compound (VOC) releases; and (2) a Dustrak to monitor total airborne suspended particulates, in accordance with sections 5.3.2 and 5.3.3 of the *Work Plan*. The real-time measurements were taken continuously and calculated four 15-minute averages per hour through out the day to determine if air quality at the site perimeter was being impacted by excavation activities and whether excavation activities should be suspended. The peak total VOC and total suspended particulate data are presented in Table 5-1. A complete summary of real-time air monitoring data can be found in Appendix D.

The results of the real-time community air monitoring indicate that the concentrations of total VOC and total suspended particulates, as measured during the project, did not exceed the action levels specified in the *Work Plan*.

Table 5-1 Summary of Results Real-time Air Monitoring Program			
Parameter	Action Levels	Peak Concentration	
		Upwind	Downwind
Total VOC	5.0 ppm *	0.0	2.7
Total Suspended Particulates	0.15 mg/M ³ **	.157	.199
Note: A summary of all Real-Time Air Monitoring results can be found in Appendix D. * Note: The OSHA (1910.1028) Short-Term exposure limit is 5.0 ppm. ** NYSDEC TAGM HWR-89-4031			

5.2 Speciated Real-Time Air Monitoring (BTEX)

A significant effort in determining BTEX (benzene, toluene, ethylbenzene and xylene) compounds in ambient air was undertaken during the Geneva/Border City Former Manufactured Gas Plant Site Interim Remedial Measures Project. The purpose in generating these data was two fold: (1) to supplement total VOC real-time air measurements with a specific benzene measurement if the total VOC action level of 5 ppm was exceeded; and (2) to ensure that emissions of BTEX to the surrounding community during periods of construction activity potentially conducive to the airborne release of these compounds did not exceed acceptable levels.

Upwind and downwind air sampling stations were set up at the site perimeter based on meteorological data. Air samples were collected at the perimeter stations and analyzed on-site using a portable gas chromatograph (GC) in accordance with Section 5.3.5 of the *Work Plan*. The results of peak BTEX concentrations for the speciated real-time air-monitoring program are summarized in Table 5-2. A complete summary of speciated BTEX air monitoring results can be found in Appendix D.

The results of the speciated real-time air monitoring indicated a peak concentration of 1.185 ppm (upwind station) for benzene that exceeded the Short Term Guidance Concentration (SGC) as published in NYSDEC's Air Guide-1. This coincided with total VOC measurement of 0.0 at the site perimeter. A total of nine samples contained benzene concentrations that exceeded the SGC. It is important to note that the Air Guide-1 SGCs are not the action levels for the vapor emission response. An action level of 0.5 ppm at the site perimeter, based

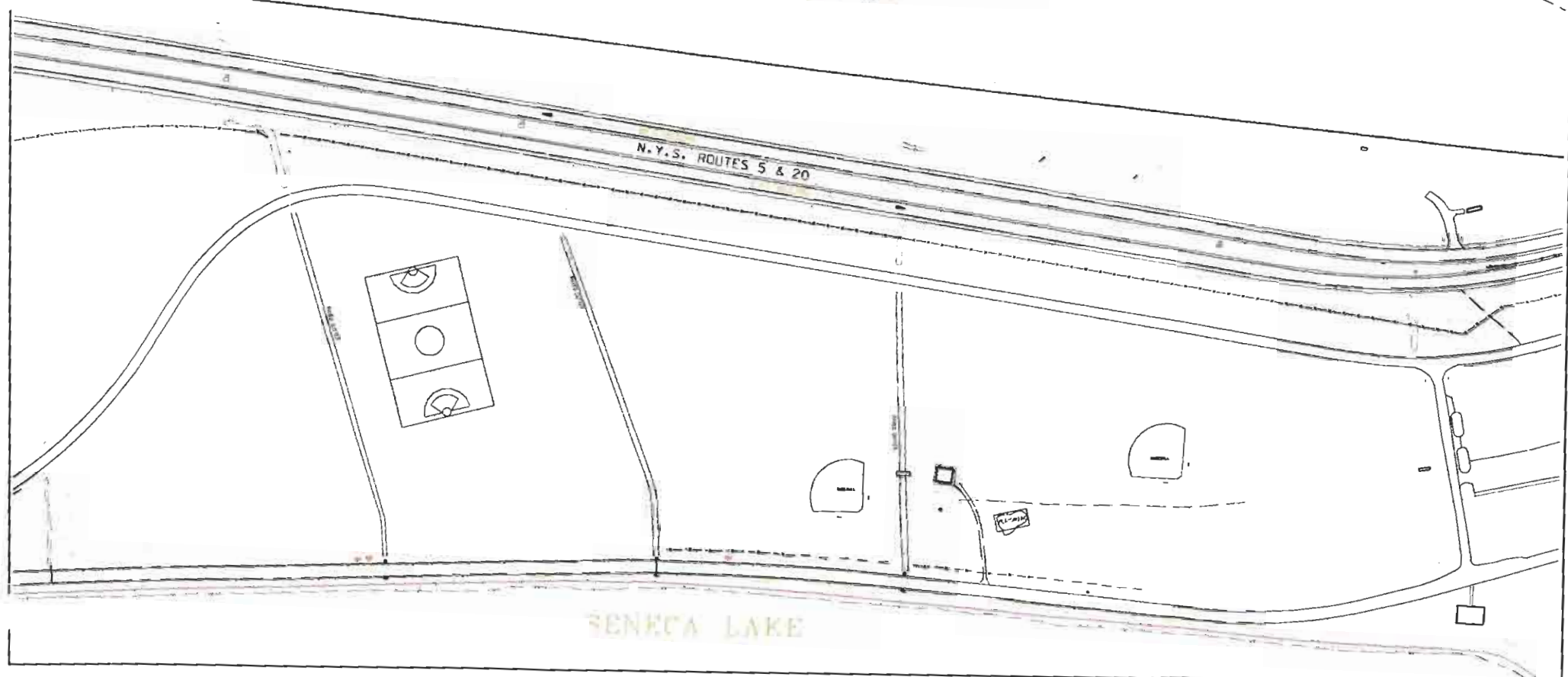
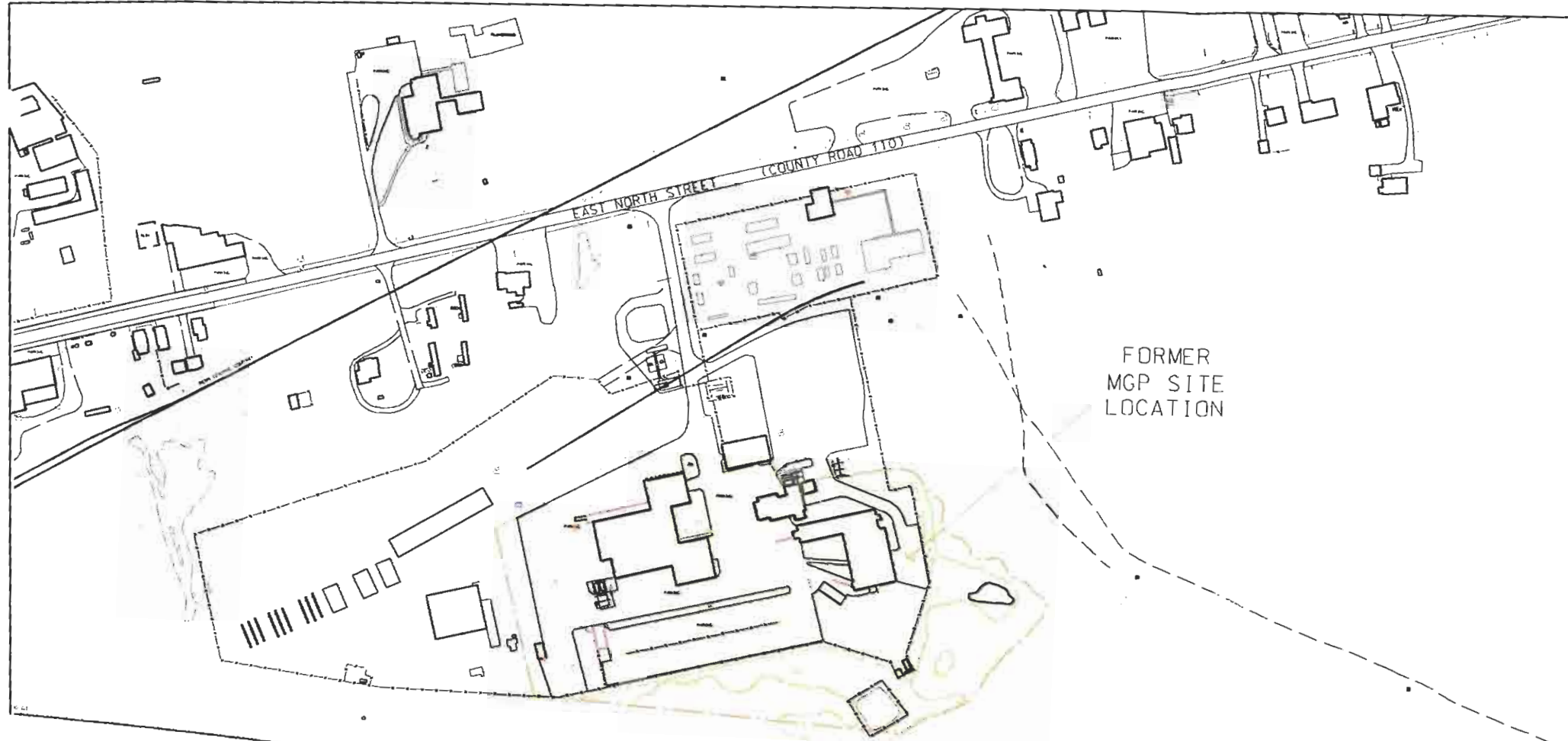
on OSHA guidelines, was used for benzene. At no over time during the project was the site perimeter benzene action level of 0.5 ppm exceeded. The peak concentrations for ethylbenzene, toluene and xylenes were below their respective SGCs.

It should be noted that all ambient air samples were collected in a grab sampling fashion over approximately thirty-minute periods and at a frequency of every two hours as specified in Section 5.3.4 of the *Work Plan*. The Air Guide-1 SGCs are based on time-weighted average data, which typically relate to the results of continuous sampling averaged over an eight to ten-hour period. While the SGCs may provide a reference point in considering the relative magnitude of BTEX compounds as collected at the grab sampling points, the fundamental difference between time-weighted average and grab sampling data should be taken into account.

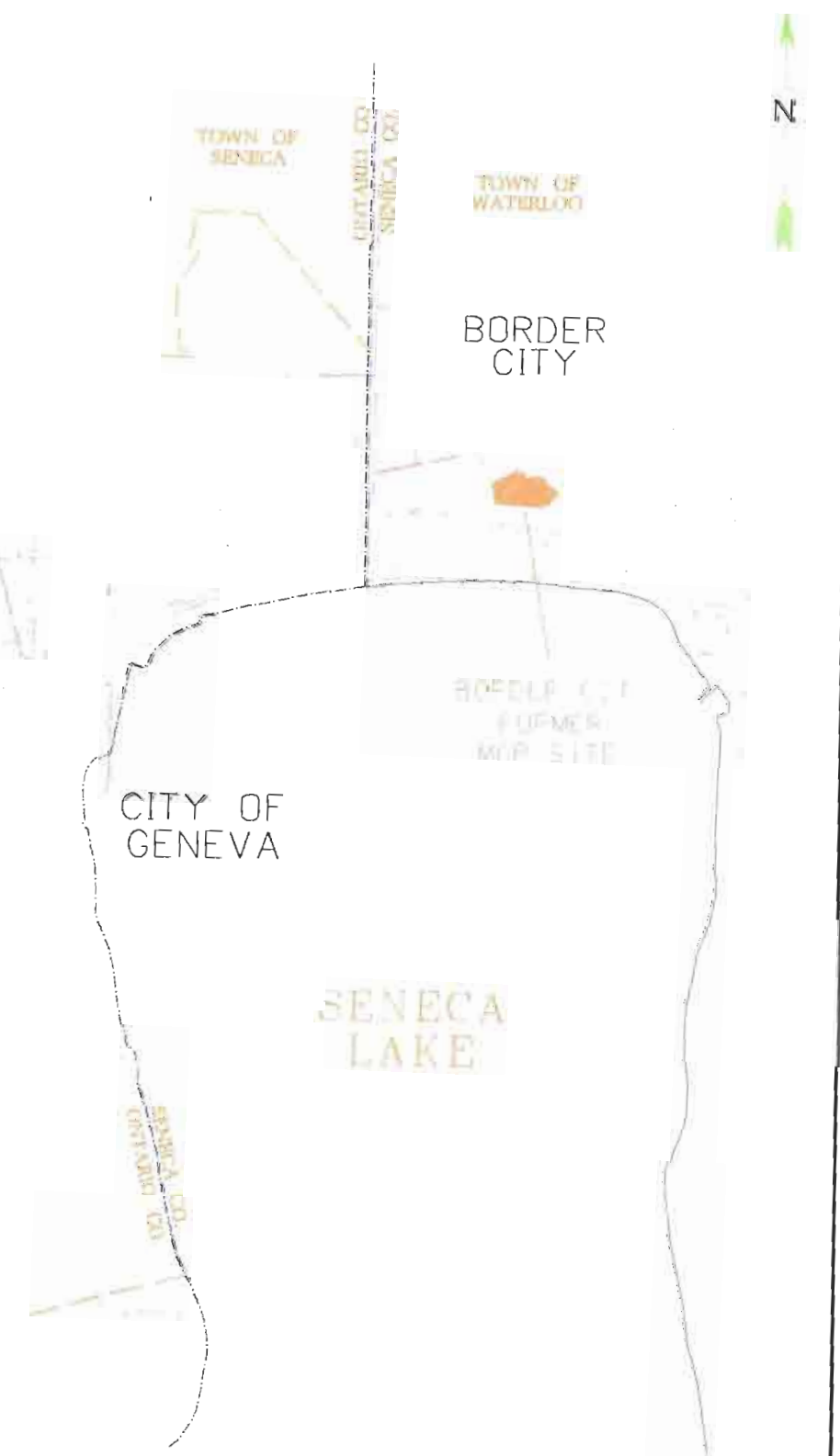
TABLE 5-2 Summary of Results Speciated BTEX Air Monitoring Program			
Compound	Air Guide-1 SGCs (ppm)	Peak Concentration (ppm)	
		Upwind	Downwind
Benzene	0.009	1.177	NR
Toluene	24	0.147	3.813
Ethylbenzene	23	15.200	ND
o-Xylene	23	1.549	7.267
Note: A summary of all Speciated BTEX Community Air Monitoring results can be found in Appendix D.			

FIGURES

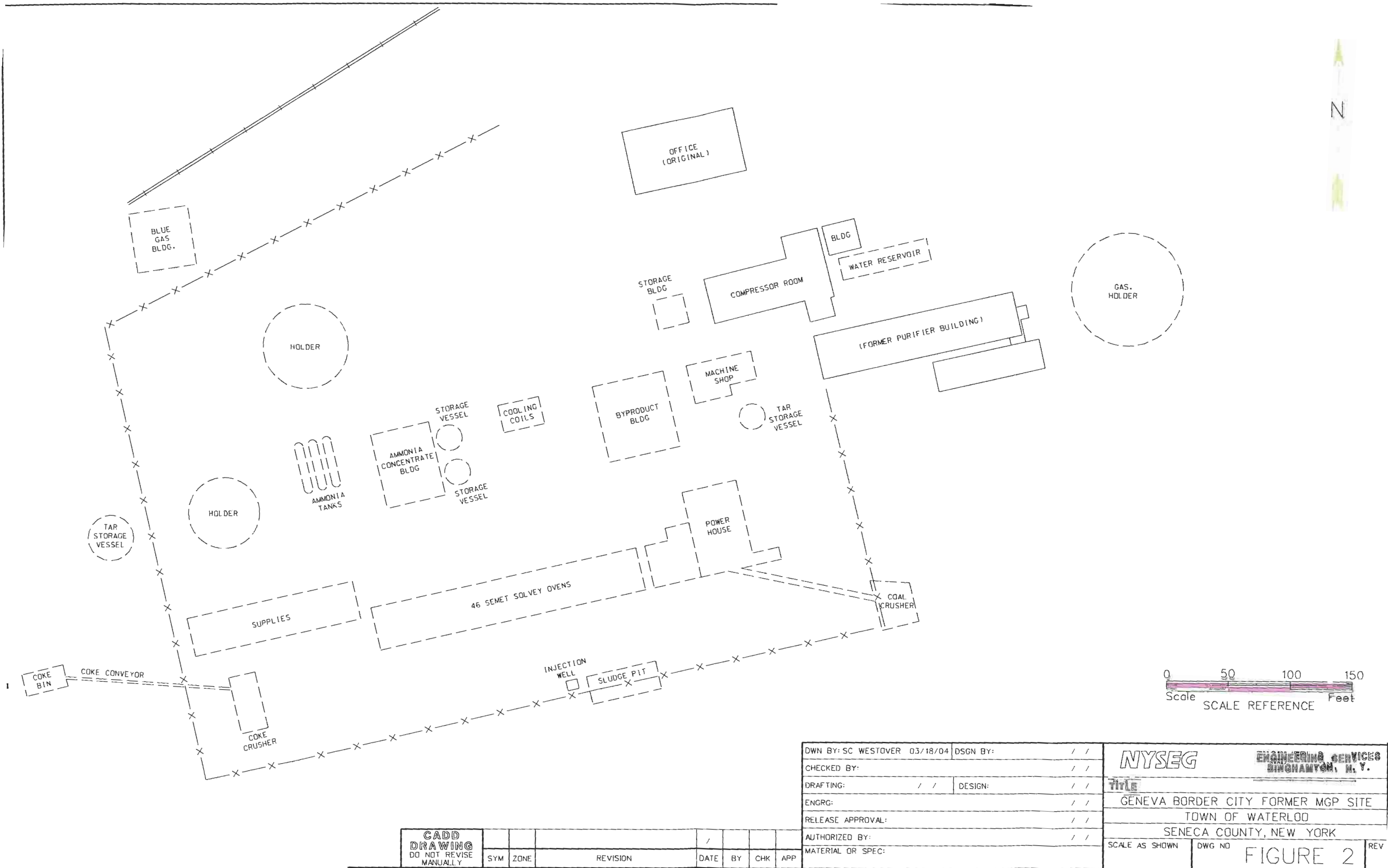
FIGURE 1	SITE LOCATION MAP
FIGURE 2	FORMER OPERATIONS LAYOUT
FIGURE 3	PRE-REMEDIATION IN SITU SAMPLING PLAN
FIGURE 4	PROJECT LAYOUT
FIGURE 5	CONFIRMATION SAMPLING LOCATIONS



BASE MAP DIGITIZED FROM AERIAL PHOTOS DATED NOVEMBER, 1993 BY PHOTO SCIENCE, INC. GAITHERSBURG, MD.

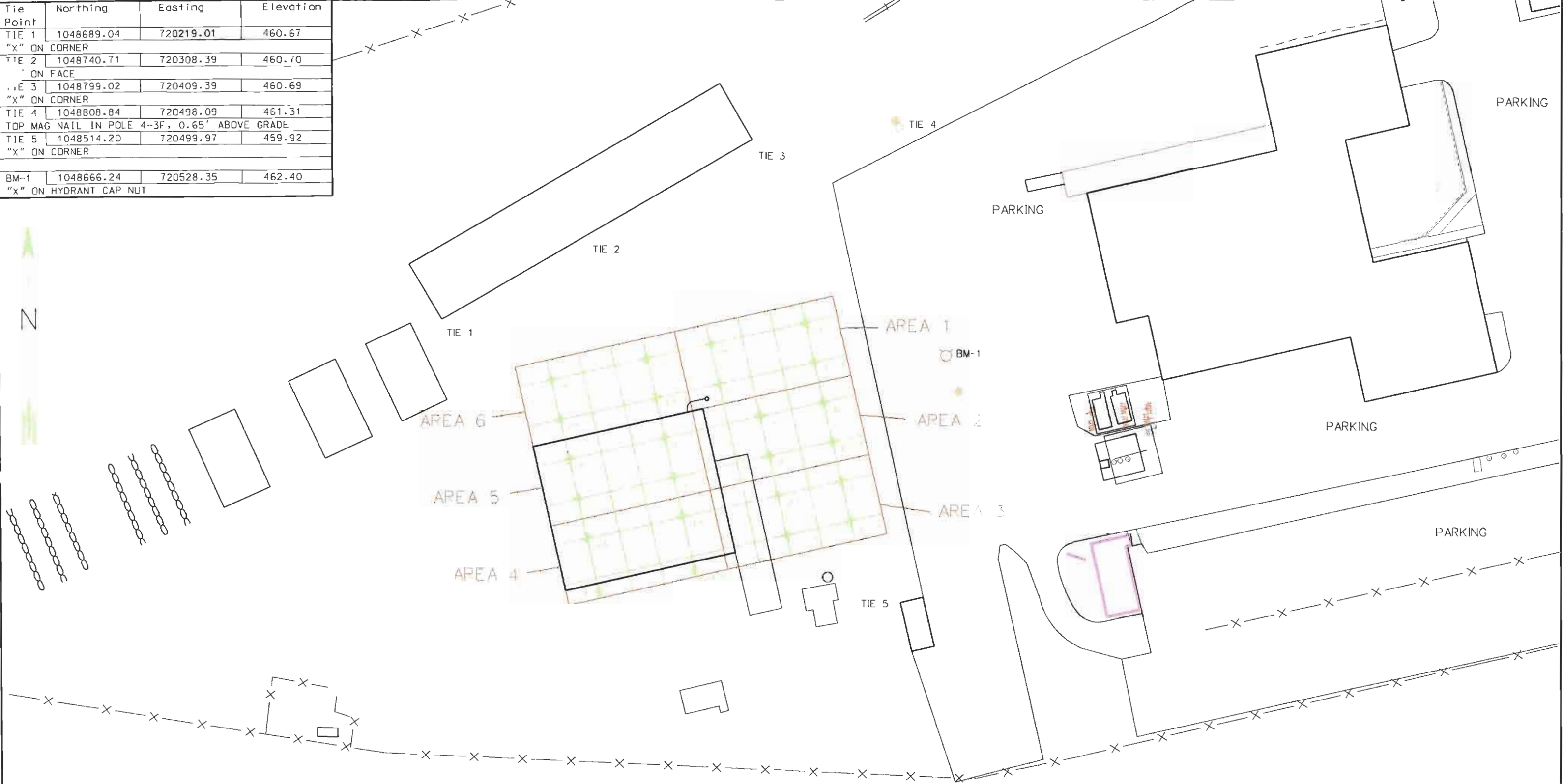


NYSEG		ENGINEERING SERVICES
TITLE		LOCATION MAP
		GENEVA BORDER CITY MGP SITE
		TOWN OF WATERLOO
		SENECA COUNTY, NEW YORK
SCALE: AS SHOWN	DWG NO	FIGURE 1
DATE		



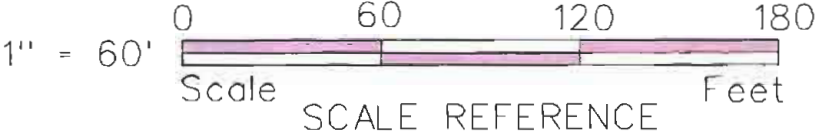
DWN BY: SC WESTOVER 03/18/04	DSGN BY:	/ /	NYSEG ENGINEERING SERVICES BINGHAMTON, N. Y. Title GENEVA BORDER CITY FORMER MGP SITE TOWN OF WATERLOO SENECA COUNTY, NEW YORK SCALE AS SHOWN DWG NO FIGURE 2 REV
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MATERIAL OR SPEC:			

Tie Point	Northing	Easting	Elevation
TIE 1	1048689.04	720219.01	460.67
"X" ON CORNER			
TIE 2	1048740.71	720308.39	460.70
"X" ON FACE			
TIE 3	1048799.02	720409.39	460.69
"X" ON CORNER			
TIE 4	1048808.84	720498.09	461.31
TOP MAG NAIL IN POLE 4-3F, 0.65' ABOVE GRADE			
TIE 5	1048514.20	720499.97	459.92
"X" ON CORNER			
BM-1	1048666.24	720528.35	462.40
"X" ON HYDRANT CAP NUT			



LEGEND

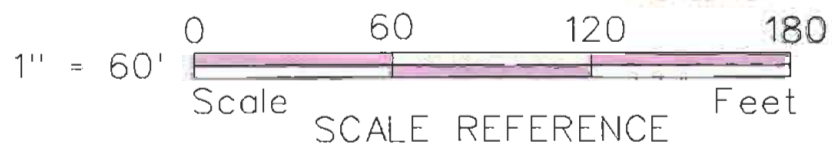
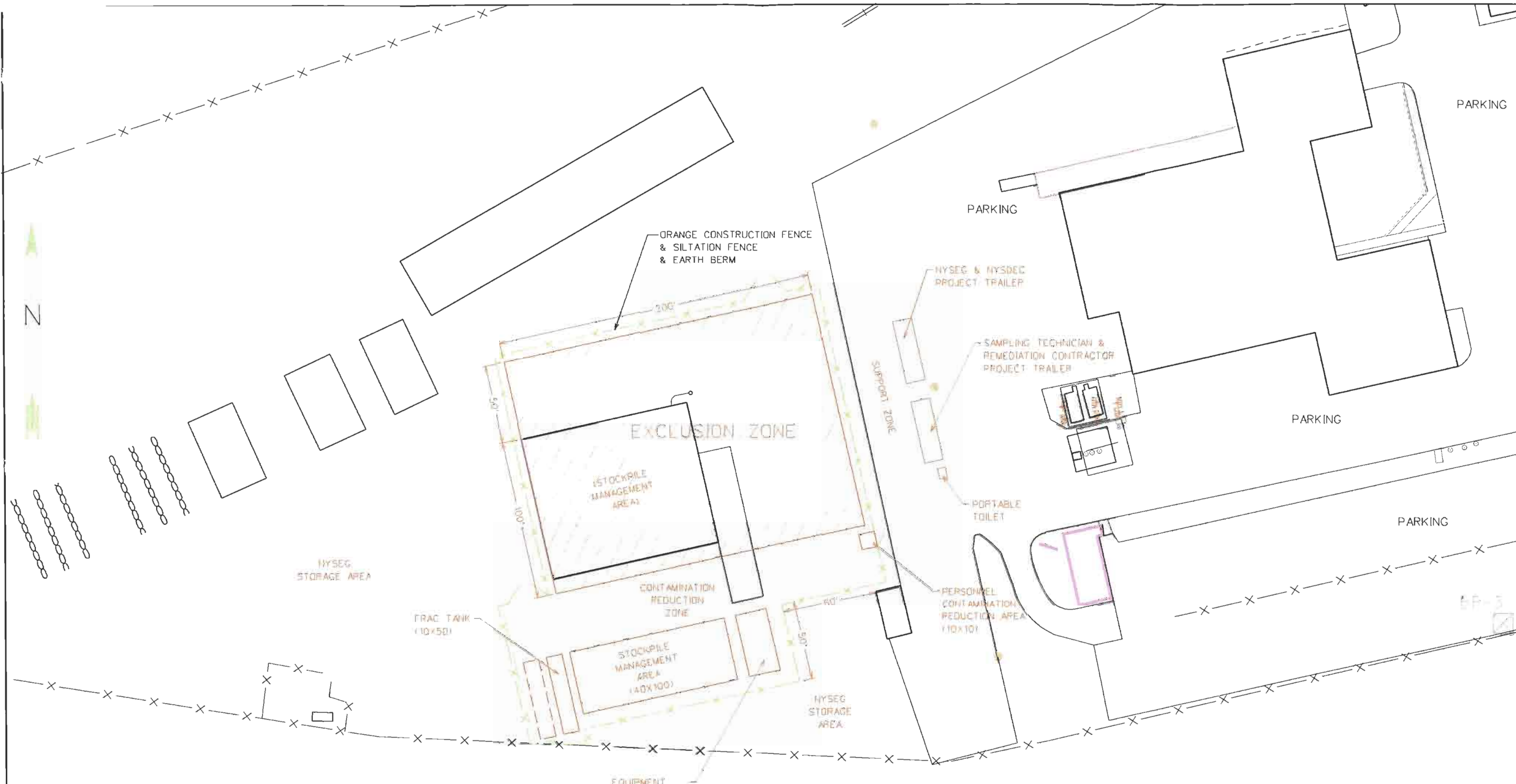
SOIL BORING



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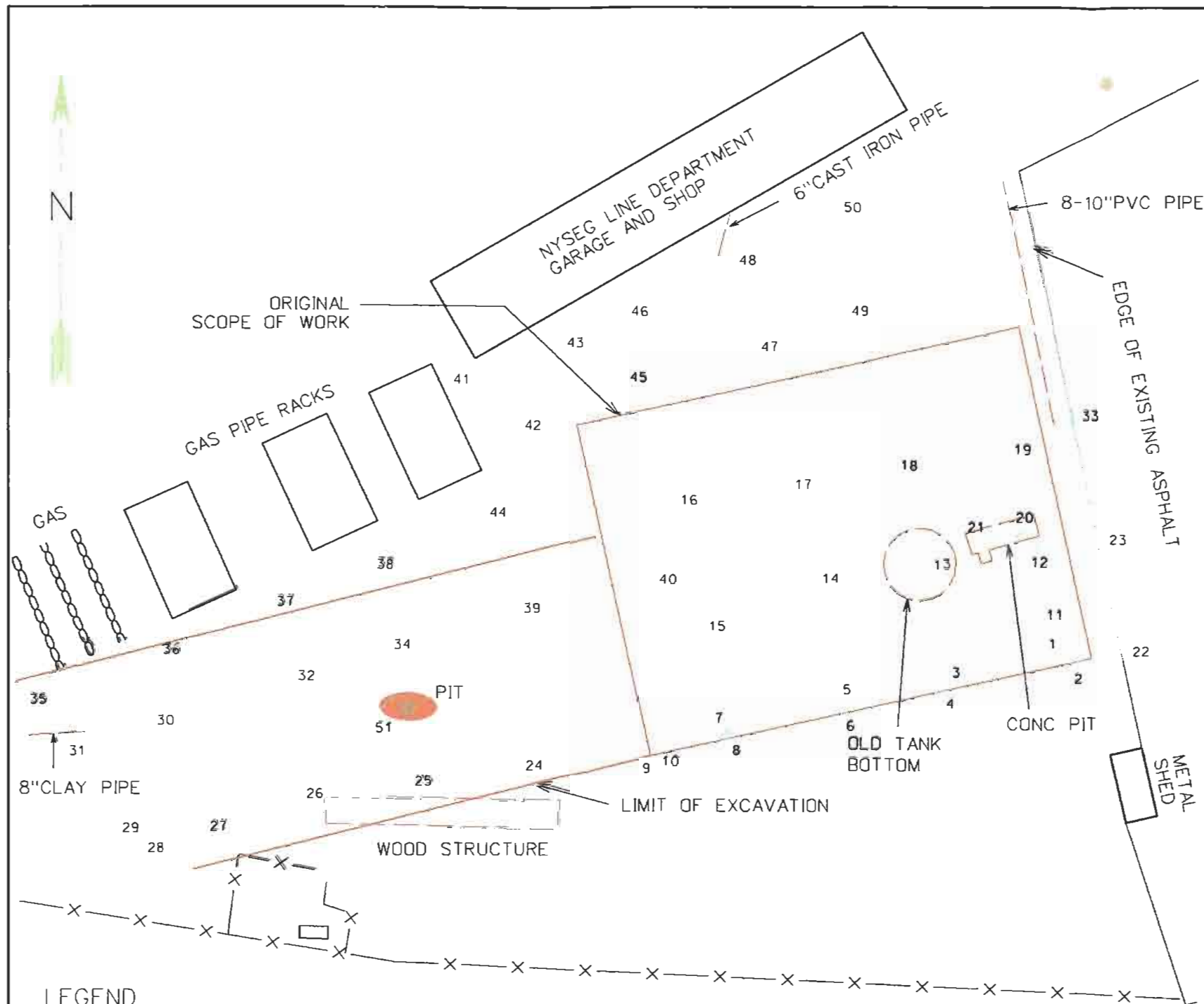
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TITLE PRE-IRM IN SITU SAMPLING PLAN			
GENEVA BORDER CITY			
FORMER MGP SITE			
GENEVA, NY			
SCALE AS SHOWN	DWG NO	FIGURE 3	REV



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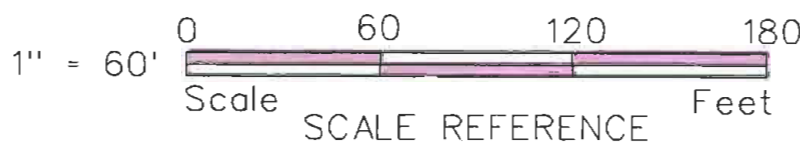
NYSEG ENGINEERING SERVICES BINGHAMTON, N. Y.	
TITLE	PROJECT LAYOUT
	GENEVA BORDER CITY
	FORMER MGP SITE
	GENEVA, NY
SCALE	DWG NO
AS SHOWN	FIGURE 4
	REV



LEGEND

CONFIRMATION SAMPLE LOCATIONS

74,957 sq ft TOTAL EXCAVATION AREA
AVERAGE DEPTH 3.5 FT.
3.0 FT.
2.5 FT.



CADD DRAWING
DO NOT REVISE MANUALLY

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NYSEG ENGINEERING SERVICES
BINGHAMTON, N. Y.

TITLE CONFIRMATION SAMPLE LOCATIONS
GENEVA BORDER CITY
FORMER MGP SITE
GENEVA, NY

SCALE AS SHOWN

DWG NO **FIGURE 5**

REV

GENEVA / BORDER CITY FORMER MANUFACTURED GAS PLANT SITE RESULTS OF EXCAVATION ENDPOINT CONFIRMATION SAMPLING 2004 INTERIM REMEDIAL MEASURES PROJECT								
Number	Sample ID	Northing	Easting	Depth Below Grade (ft)	Benzene (ppm)	Naphthalene (ppm)	Total PAHs (ppm)	Total cPAHs (ppm)
1	GBVICR0402	1048559	720479	3.5	0.006	4	69.5	25.5
2	GBVISW0403	1048555	720485	3.5	0.006	4.4	73.4	28
3	GBVICR0404	1048549	720426	3.5	0.001	0.4	7.2	2.8
4	GBVISW0405	1048542	720425	3.5	0.006	4.4	170.7	96.7
5	GBVICR0406	1048538	720379	3.5	0.006	0.39	6.8	2.7
6	GBVICR0407	1048532	720381	3.5	0.006	2	36	14
7	GBVICR0408	1048525	720330	3.5	0.002	0.39	14.9	2.7
8	BCVISW0409	1048521	720330	3.5	0.006	4.4	82.2	30.5
9	BCVIWW0410	1048517	720295	3.5	0.006	8	144	56
10	BCVICR0411	1048519	720304	3.5	0.006	0.41	7.4	2.9
11	BCVICR0412	1048582	720473	3.5	0.7	0.9	7.7	2.8
12	BCVICR0413	1048608	720467	3.5	0.65	0.9	7.7	2.4
13	BCVICR0414	1048597	720416	3.5	0.55	1.7	8.7	2.9
14	BCVICR0415	1048588	720368	3.5	0.99	3.8	10.5	2.9
15	BCVICR0416	1048575	720319	3.5	0.006	0.4	7	2.8
16	BCVICR0417	1048625	720308	3.5	0.006	0.4	7.2	2.8
17	BCVICR0418	1048636	720357	3.5	0.006	0.4	7.2	2.8
18	BCVICR0419	1048648	720406	3.5	0.006	0.62	11.2	4.3
19	BCVICR0420	1048656	720455	3.5	0.007	0.39	7	2.7
20	BCVICR0421	1048612	720458	10.0	1.5	3.7	22.2	4.6
21	BCVXC0422	1048609	720444	10.0	1.2	0.66	7.6	2.9
22	BCVIEW0423-Q	1048559	720505	3.5	0.006	4.3	111.6	48.2
23	BCVIEW0424-Q	1048610	720494	3.5	0.007	49	1742	667
24	BCVIWC0425-Q	1048513	720253	3.0	0.006	0.41	7.4	2.9
25	BCVIWC0426-Q	1048509	720202	3.0	0.006	0.4	7.2	2.8
26	BCVIWC0427-Q	1048503	720153	3.0	0.006	0.44	7.9	3.1
27	BCVIWC0428-Q	1048489	720101	3.0	0.006	0.41	7.4	2.9
28	BCVLXX0429-Q	1048481	720084	3.0	0.006	0.41	7.4	2.9
29	BCVLWW0430-Q	1048486	720074	3.0	0.006	0.41	7.4	2.9
30	BCVLXX0431-Q	1048536	720080	3.0	0.006	0.42	7.6	2.9
31	BCVLWW0432-Q	1048522	720047	3.0	0.006	0.37	6.7	2.6
32	BCVLXX0433-Q	1048556	720143	3.0	0.006	0.38	6.8	2.7
33	BCVLEW0434-Q	1048663	720482	3.0	0.005	3.9	263.8	108.7
34	BCVLXX0435-Q	1048569	720189	3.0	0.006	0.39	7	2.7
35	BCVINW0436-Q	1048547	720028	3.0	0.006	1.9	28	10.4
36	BCVINW0437-Q	1048567	720079	3.0	0.007	2.1	52.1	25.4
37	BCVINW0438-Q	1048589	720134	3.0	0.006	2	84	40.7
38	BCVINW0439-Q	1048605	720177	3.0	0.006	0.42	7.6	2.9
39	BCVIXX0440	1048585	720244	3.0	0.006	0.41	6.9	2.6
40	BCVIXX0441	1048592	720296	3.5	0.006	0.4	7.2	2.8
41	BCVINW0442	1048679	720221	2.5	0.006	4.1	63.1	21.7
42	BCVIXX0443	1048664	720239	2.5	0.006	0.39	7	2.7
43	BCVINW0444	1048704	720268	2.5	0.006	4.2	73.2	29.4
44	BCVIXX0448	1048627	720226	3.0	0.006	0.39	7	2.7
45	BCVIXX0449-Q	1048689	720293	2.5	0.006	0.39	7	2.7
46	BCVINW0450-Q	1048718	720295	2.5	0.006	0.38	6.1	2
47	BCVIXX0452	1048701	720345	2.5	0.006	0.38	6.8	2.7
48	BCVINW0453-Q	1048739	720337	2.5	0.006	1.8	96.1	32.1
49	BCVIXX0455	1048717	720387	2.5	0.01	1.5	34.1	32.1
50	BCVIEW0456	1048764	720385	2.5	0.006	3.3	105.2	50.3
51	BCVIXX0458-Q	1048534	720189	12.0	180	3200	16060	5880

APPENDIX A

PHOTOGRAPHIC LOG



2004 REMEDIATION PROJECT
PHOTO NUMBER 1

Looking southwest, across project area. The project trailers were located in the Support Zone. The truck is being loaded in the Contamination Reduction Zone. The area of the excavation is in the Exclusion Zone.

NYSEG

Geneva/Border City Former Manufactured Gas Plant Site, Town of Waterloo, NY
Interim Remedial Measures Final Engineering Report



2004 REMEDIATION PROJECT
PHOTO NUMBER 2

Looking southwest, in the foreground is one of the upwind or downwind air-monitoring stations. Inside the grey environmental enclosure is a Dustrak monitor. The Dustrak is a direct-reading monitor that collects real-time airborne particulate data on a 15-minute basis. (Photo by NYSDEC's project oversight ERM)



2004 REMEDIATION PROJECT
PHOTO NUMBER 3

Looking south, NYSDEC project oversight Michael Horesh, Environmental Resources Management (ERM), was on-site daily to monitor project's progress for compliance with the *Interim Remedial Measures Work Plan for Removal of Coal Tar associated with Geneva/Border City Former Manufactured Gas Plant, Town of Waterloo, Seneca County, New York*, dated March 2004.



2004 REMEDIATION PROJECT
PHOTO NUMBER 4

The sampling technician Jason Esposito, URS Corporation, is collecting endpoint soil confirmation sample from the bottom of the excavation. Endpoint confirmation samples were collected at the bottom of the excavation at intervals of 50 feet (one sample every 250 square feet). Endpoint confirmation samples were also collected from the sidewall at horizontal interval of 50 feet. A total of 51 endpoint confirmation samples were collected and analyzed. Soil samples were sent to Severn Trent Laboratory for analysis. (Photo by NYSDEC's project oversight ERM)



2004 REMEDIATION PROJECT
PHOTO NUMBER 5

Looking west, imported fill was placed in the excavation after endpoint soil confirmation samples were collected. The fill material was 2-inch minus gravel that was placed in layers and compacted with a vibrator roller. The area of the excavation that wasn't ready for backfilling was covered with polyethylene sheeting overnight.



2004 REMEDIATION PROJECT
PHOTO NUMBER 6

Looking east, stockpiles were covered with polyethylene sheeting overnight and when not in use. The polyethylene sheeting was secured using sandbags. Stockpiles were placed in areas within the excavation limits.



2004 REMEDIATION PROJECT
PHOTO NUMBER 7

Looking west, worker is actively controlling odors, dust and fugitive vapors by misting the contaminated soil with BIO SOLVE®. Excavated contaminated soil was stockpiled within the excavation or loaded directly into dump trailers.



2004 REMEDIATION PROJECT
PHOTO NUMBER 8

Looking west, the excavation activity started in the southeast corner of the project area as shown on Figure 4. Soil was removed in strips approximately 20 feet wide from east to west. Contaminated soil in the original 200 feet X 150 feet was removed to clean silt layer that average depth was 3.5 feet below ground surface.



2004 REMEDIATION PROJECT
PHOTO NUMBER 9

Looking northwest, the remains of the 32-foot diameter tar storage vessel were encountered at the southeast area of the project area. The metal vessel had an 8-inch thick concrete base.

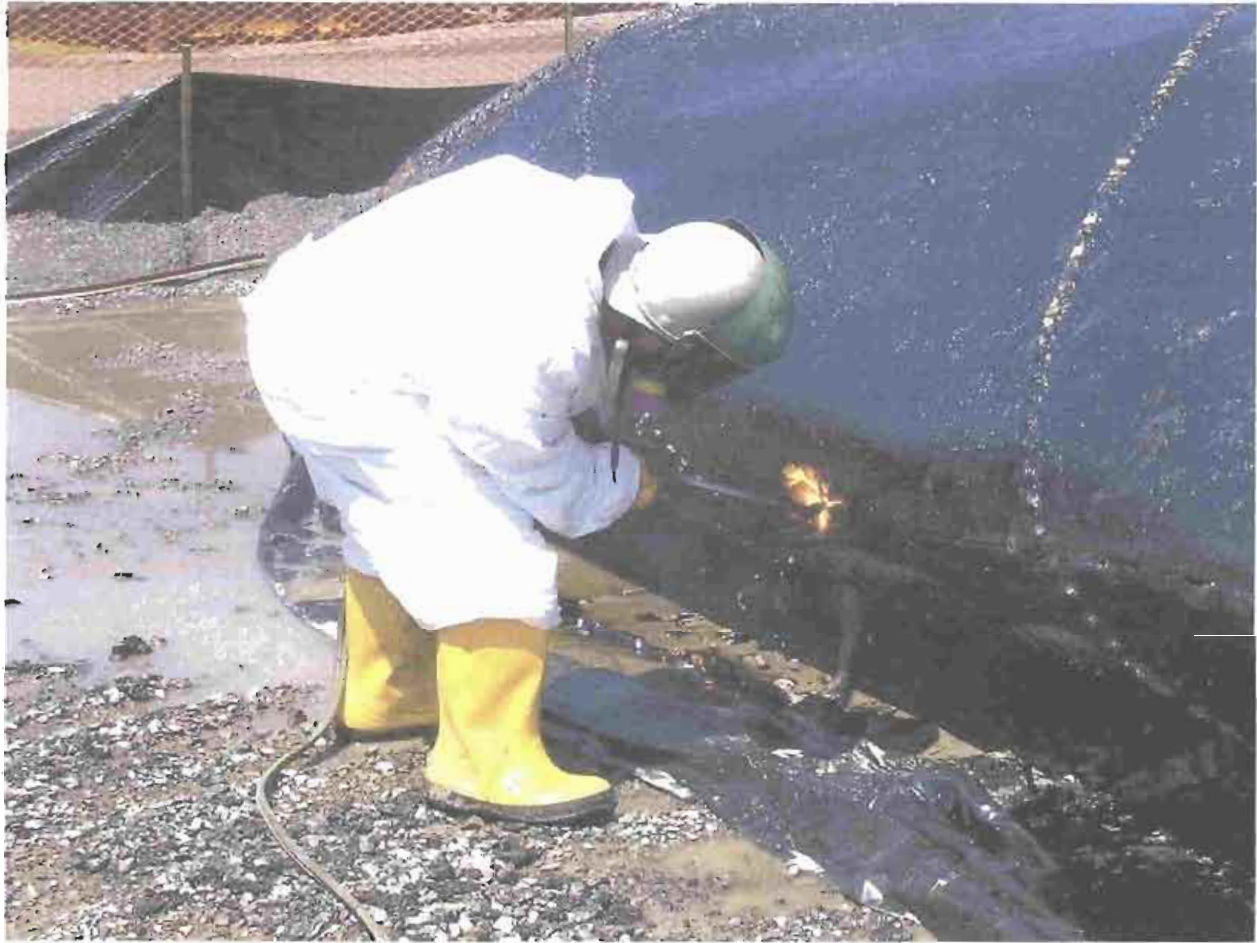


2004 REMEDIATION PROJECT
PHOTO NUMBER 10

Looking northwest, the remains of the 32-foot diameter tar storage vessel were encountered at the southeast area of the project area. The metal vessel had an 8-inch thick concrete foundation. The metal vessel was fold into thirds and placed on polyethylene sheeting in the northwest corner of the site. The vessel was covered with polyethylene sheeting. The concrete base was broken up in 1-foot X 1-foot pieces and mixed with the contaminated soil that was transported to ESMI of New York's thermal treatment facility located in Fort Edwards, NY.

NYSEG

Geneva/Border City Former Manufactured Gas Plant Site, Town of Waterloo, NY
Interim Remedial Measures Final Engineering Report



2004 REMEDIATION PROJECT
PHOTO NUMBER 11

A worker is using cutting torches to cut the metal vessel in pieces small enough to fit in roll-off containers. The metal was transported to Casie Protank Environmental Services located in Vineland, NJ, where it was decontaminated and recycled. (Photo by NYSDEC's project oversight ERM)



2004 REMEDIATION PROJECT
PHOTO NUMBER 12

On May 24, 2004 at approximately 11:45 a.m., while a worker was using cutting torches to cut metal vessel, coal tar ignited and started a fire inside the folded metal. The wind direction was north toward Border City Road. (Photo by NYSDEC's project oversight ERM)



2004 REMEDIATION PROJECT
PHOTO NUMBER 13

Site workers using fire extinguishers and a 2-inch hose attached to on-site fire hydrant extinguish the fire in approximately 15 minutes. During and after the fire, real-time air monitoring for volatile organic compounds (VOCs) and airborne particulate exhibited no heightened readings. Additional real-time air monitoring for VOCs and airborne particulate were collected at nearest receptors, NYSEG Customer Service Building to the east and NYSEG shop and garage to the north. (Photo by NYSDEC's project oversight ERM)



2004 REMEDIATION PROJECT
PHOTO NUMBER 14

Looking west, a subsurface concrete structure containing coal tar, small pipes, wood and soils was encountered northeast of the tar storage vessel. The material within the structure was mixed with on-site soils and transported to ESMI of New York's thermal treatment facility located in Fort Edward, NY.



2004 REMEDIATION PROJECT
PHOTO NUMBER 15

Looking south, the southwest area of the structure contained the heaviest concentration of coal tar. The material within the structure was mixed with on-site soils and transported to ESMI of New York's thermal treatment facility located in Fort Edward, NY.



2004 REMEDIATION PROJECT
PHOTO NUMBER 16

The sidewalls and floor of the concrete structure were cleaned using a solution of BIO SOLVE® and water that was applied with a high-pressure washer.



2004 REMEDIATION PROJECT
PHOTO NUMBER 17

Using a hydraulic hammer mounted on an excavator the concrete structure was broken up in pieces for disposal. The concrete pieces were placed on polyethylene sheeting, samples were collected for waste characterization and the concrete was covered with polyethylene sheeting. The concrete was transported and disposed in Seneca Meadows Landfill located in Waterloo, NY.



2004 REMEDIATION PROJECT
PHOTO NUMBER 18

Part of a wooden structure was encountered along the southern edge of the excavation near the high-pressure gas main. The wooden structure turned south towards the high-pressure gas main. A trench was excavated on the south side of the high-pressure gas main to locate the wooden structure. The wooden structure was not encountered on the Southside of the high-pressure gas main. It was assumed that the majority of the wooden structure must have been removed during the installation of the high-pressure gas main.



2004 REMEDIATION PROJECT
PHOTO NUMBER 19

Looking east, coal tar remains in the sidewall along the eastern limit of excavation. Soil confirmation samples were collected and the results will be evaluated as part of the *Remedial Investigation at the Geneva/Border City Former Manufactured Gas Plant Site*.



2004 REMEDIATION PROJECT
PHOTO NUMBER 20

Looking southwest, NYSEG extended the excavation to the western most portion of the site. All material above the silt layer was removed and disposed.



2004 REMEDIATION PROJECT
PHOTO NUMBER 21

A total of fourteen loads of contaminated soil were rejected at ESMI of New York's thermal treatment facility located in Fort Edwards, New York for non-conformance. This soil was transported back to the site where it was unloaded back in the excavation. This soil was then loaded and transported to Casie Protank Environmental Services Mid Atlantic Recycling Tech thermal treatment facility located in Vineland, New Jersey.



2004 REMEDIATION PROJECT
PHOTO NUMBER 22

The soil that was returned from ESMI of New York's thermal treatment facility located in Fort Edwards, New York was covered with polyethylene sheeting prior to being transported to Casie Protank Environmental Services Mid Atlantic Recycling Tech thermal treatment facility located in Vineland, New Jersey.



2004 REMEDIATION PROJECT
PHOTO NUMBER 23

An 8-inch diameter clay pipe containing coal tar was discovered in the extended area to the west. The pipe and its contents were removed back to the western limits of excavation. The pipe that remains outside the limits of excavation will be evaluated as part of the *Remedial Investigation at the Geneva/Border City Former Manufactured Gas Plant Site*.



2004 REMEDIATION PROJECT
PHOTO NUMBER 24

An area in the middle of the extended excavation to the west had contamination still remaining in the bottom of the excavation. This area was excavated to a depth of 12 feet that extended through the silt layer. This area was also below groundwater at the time of excavation. This area will be evaluated as part of the *Remedial Investigation at the Geneva/Border City Former Manufactured Gas Plant Site*.



2004 REMEDIATION PROJECT
PHOTO NUMBER 25

An area in the middle of the extend excavation to the west had contamination still remaining in the bottom of the excavation. This area was excavated to a depth of 12 feet that extended through the silt layer. Soil confirmation samples were collected and the results will be evaluated as part of the *Remedial Investigation at the Geneva/Border City Former Manufactured Gas Plant Site*.



2004 REMEDIATION PROJECT
PHOTO NUMBER 26

Looking north, the excavated area (75,000 square feet) was filled with imported 2-inch minus gravel that was placed in layers and compacted with a vibrator roller. The area was graded for rain run-off to the western most area of site. An additional four-inch layer of 2-inch minus crusher-run limestone was placed and compacted over the graded area. The project area was returned to its former use as an equipment storage area.

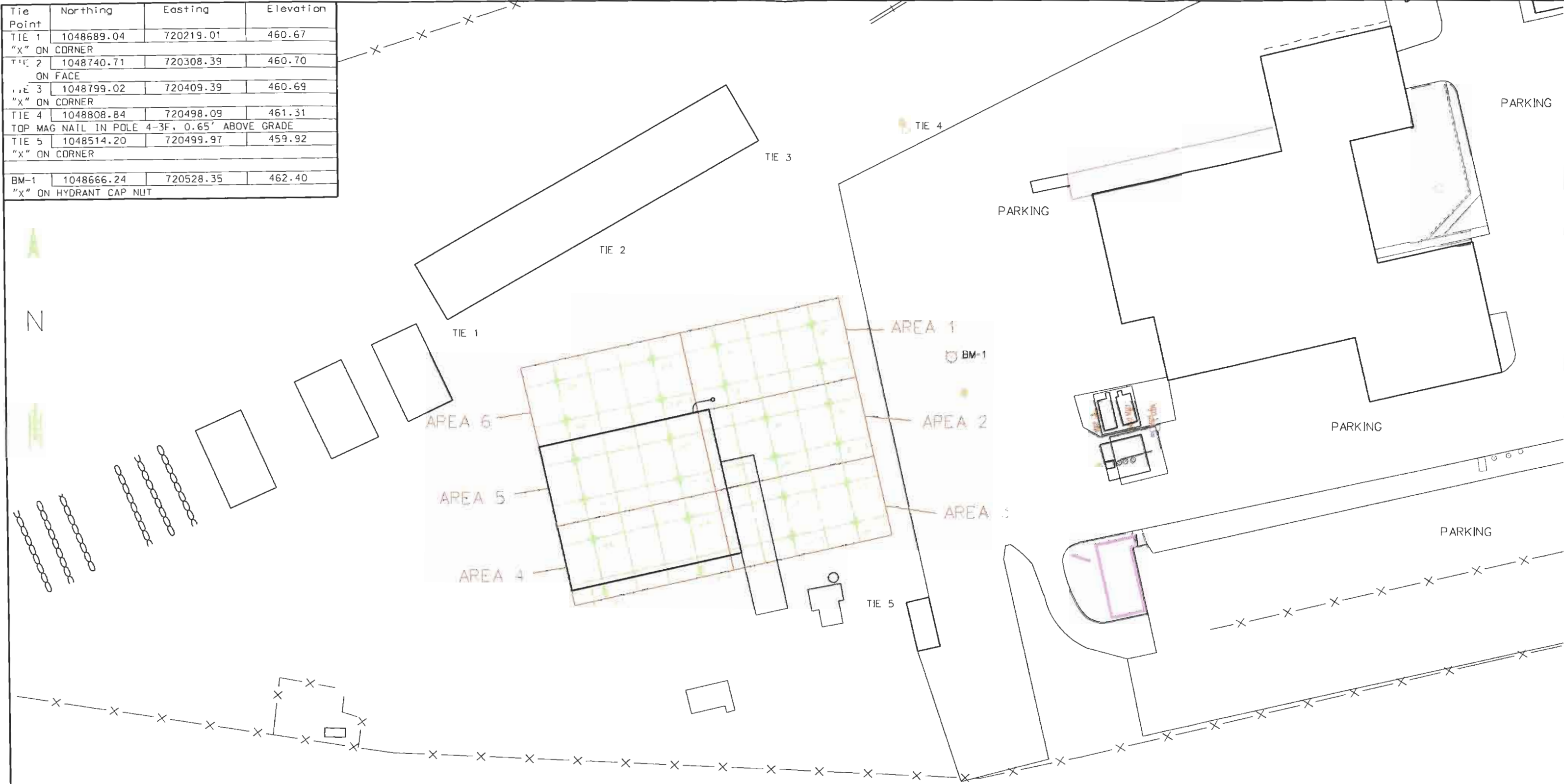
APPENDIX B

PRE-REMEDIATION IN SITU SAMPLES ANALYTICAL RESULTS

**Geneva/Border City Former Manufactured Gas Plant Site
Geotechnical Summary by Areas**

Area	Area (Sq. Ft.)	Depth (Ft.)	Volume (Cu. Yds.)	Sample ID	Total cPAHS	Total PAHs	Benzene	Disposal Options
1	5,000	0-2	370	GEVIWC021C	581	3321	5.3	ESMI- Thermal Treatment
	5,000	2-4	370	GEVIWC241C	539	3989	0.69	ESMI- Thermal Treatment
	5,000	4-6	370	GEVIWC461C	1.4	7.3	0.16	NA
	5,000	6-10	370	GEVIWC6101C	2.1	6	0.012	NA
2	5,000	0-2	370	GEVIWC022C	1990	12100	0.48	ESMI- Thermal Treatment
	5,000	2-4	370	GEVIWC242C	2510	18390	1.3	ESMI- Thermal Treatment
	5,000	4-6	370	GEVIWC462C	1490	11730	2.1	ESMI- Thermal Treatment
	5,000	6-8	370	GEVIWC682C	2	565	0.038	NA
	5,000	8-10	370	GEVIWC682C	1.6	8.2	0.051	NA
3	5,000	0-2	370	GEVIWC023C	1380	4349	0.052	ESMI- Thermal Treatment
	5,000	2-4	370	GEVIWC243C	980	6990	3.8	ESMI- Thermal Treatment
	5,000	4-6	370	GEVIWC463C	14	82.6	0.037	NA
	5,000	6-10	370	GEVIWC6103C	2	6.5	0.04	NA
4	5,000	0-2	370	GEVIWC024C	22.2	3363	0.011	ESMI- Thermal Treatment
	5,000	2-4	370	GEVIWC244C	188	1036	0.031	ESMI- Thermal Treatment
	5,000	4-6	370	GEVIWC464C	2.1	7	0.5	NA
	5,000	6-10	370	GEVIWC6104C	2	6.2	0.5	NA
5	5,000	0-2	370	GEVIWC025C	390	1872	0.02	Seneca Meadows - Landfill
	5,000	2-4	370	GEVIWC245C	2780	13630	0.087	ESMI- Thermal Treatment
	5,000	4-6	370	GEVIWC465C	1.4	10.1	0.5	NA
	5,000	6-10	370	GEVIWC6105C	2.1	6.6	0.5	NA
6	5,000	0-2	370	GEVIWC026C	106	643	0.08	Seneca Meadows - Landfill
	5,000	2-4	370	GEVIWC246C	2780	13630	0.087	ESMI- Thermal Treatment
	5,000	4-6	370	GEVIWC466C	1.6	8.2	0.5	NA
	5,000	6-10	370	GEVIWC6106C	2	6.4	0.02	NA
Ash		3-4		Ash Layer	780	2321	0.05	Seneca Meadows - Landfill

Tie Point	Northing	Easting	Elevation
TIE 1	1048689.04	720219.01	460.67
"X" ON CORNER			
TIE 2	1048740.71	720308.39	460.70
ON FACE			
TIE 3	1048799.02	720409.39	460.69
"X" ON CORNER			
TIE 4	1048808.84	720498.09	461.31
TOP MAG NAIL IN POLE 4-3F, 0.65' ABOVE GRADE			
TIE 5	1048514.20	720499.97	459.92
"X" ON CORNER			
BM-1	1048666.24	720528.35	462.40
"X" ON HYDRANT CAP NUT			



LEGEND

SOIL BORING



CADD
DRAWING
DO NOT REVISE
MANUALLY

SYM	ZONE	REVISION	DATE	BY	CHK	APP

DWN BY: SC WESTOVER 01/27/05	DSGN BY: / /
CHECKED BY: / /	
DRAFTING: / /	DESIGN: / /
ENGRG: / /	
RELEASE APPROVAL: / /	
AUTHORIZED BY: / /	
MATERIAL OR SPEC: / /	

NYSEG

ENGINEERING SERVICES
BINGHAMTON, N. Y.

TITLE	PRE-IRM IN SITU SAMPLING PLAN
	GENEVA BORDER CITY
	FORMER MGP SITE
	GENEVA, NY

SCALE	DWG NO	REV
AS SHOWN	FIGURE 3	

Geneva/Border City Pre-remediation Sample Data (PPM)

Sample Identification	GEVIWC6104C		GEVIWC6105C		GEVIWC6106C		GEVIWC682C		GEVIWC8102C	
Sample Date										
Sample Type										
Depth (below original grade)										
Volatile Organics										
Benzene	0.500	ND	0.500	ND	0.020	J	0.038	J	0.051	J
Semi-Volatile Organics										
Naphthalene	0.390	ND	0.410	ND	0.400	ND	0.330	J	0.390	J
2-Methylnaphthalene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.400	ND
Acenaphthylene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.400	ND
Acenaphthene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.400	ND
Dibenzofuran	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.240	J
Fluorene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.280	J
Phenanthrene	0.390	ND	0.410	ND	0.400	ND	0.390	J	1.800	
Anthracene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.220	J
Fluoranthene	0.390	ND	0.410	ND	0.400	ND	0.170	J	1.200	
Pyrene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.890	
Benzo (g,h,i) perylene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.400	ND
Benzo (a) anthracene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.430	
Chrysene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.290	J
Benzo (b) fluoranthene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.290	J
Benzo (k) fluoranthene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.260	J
Benzo (a) pyrene	0.390	ND	0.410	ND	0.400	ND	0.400	ND	0.340	J
Indeno (1,2,3-cd) pyrene										
Dibenzo (a,h) anthracene										
Total PAHs	6.2		6.6		6.4		6.1		8.2	
Total Carcinogenic PAHs	2.0		2.1		2.0		2.0		1.6	

Notes:

ND or U Indicates c
J Indicates
D Compound

Geneva/Border City Pre-remediation Sample Data (PPM)

Sample Identification		Ash Layer		GEVIWCO21C		GEVIWCO22C		GEVIWCO23C		GEVIWCO24C		GEVIWCO25C		GEVIWCO26C
Sample Date														
Sample Type														
Depth (below original grade)														
Volatile Organics	CAS No.													
Benzene	71-43-2	0.500	ND	5.300	D	0.480	J	0.052	J	0.011	J	0.020	J	0.080
Semi-Volatile Organics														
Naphthalene	91-20-3	92.000	D	450.000	D	2200.000		190.000		3.700	ND	21.000	J	130.000
2-Methylnaphthalene	91-57-6	29.000	DJ	150.000	D	570.000		56.000	J	3.700	ND	42.000	ND	26.000
Acenaphthylene	208-96-8	47.000	DJ	150.000	D	670.000		100.000	J	1.200	J	18.000	J	23.000
Acenaphthene	83-32-9	83.000	ND	150.000	ND	370.000	ND	190.000	ND	3.700	ND	42.000	ND	36.000
Dibenzofuran	132-64-9	50.000	DJ	110.000	DJ	400.000		73.000	J	3.700	ND	15.000	J	19.000
Fluorene	86-73-7	100.000	D	150.000	D	560.000		140.000	J	3.700	ND	24.000	J	26.000
Phenanthrene	85-01-8	370.000	D	560.000		2100.000		690.000		3.300	J	140.000		100.000
Anthracene	120-12-7	110.000	D	220.000	D	640.000		170.000	J	3.700	ND	410.000	J	22.000
Fluoranthene	206-44-0	340.000	D	370.000	D	1300.000		670.000		7.900		160.000		68.000
Pyrene	129-00-0	220.000	D	280.000	D	930.000		490.000		7.200		120.000		51.000
Benzo (g,h,i) perylene	191-24-2	100.000	D	150.000	ND	370.000	ND	200.000		3.000	J	490.000		36.000
Benzo (a) anthracene	56-55-3	180.000	D	160.000	D	560.000		340.000		5.200		97.000		28.000
Chrysene	218-01-9	160.000	D	130.000	DJ	430.000		270.000		4.300		79.000		21.000
Benzo (b) fluoranthene	205-99-2	160.000	D	94.000	DJ	320.000	J	250.000		4.000		62.000		18.000
Benzo (k) fluoranthene	207-08-9	120.000	D	87.000	DJ	300.000		230.000		4.000		69.000		18.000
Benzo (a) pyrene	50-32-8	160.000	D	110.000	DJ	380.000		290.000		4.700		83.000		21.000
Indeno (1,2,3-cd) pyrene	193-39-5													
Dibenzo (a,h) anthracene	53-70-3													
Total PAHs		2,321.0		3,321.0		12,100.0		4,349.0		67.0		1,872.0		643.0
Total Carcinogenic PAHs		780.0		581.0		1,990.0		1,380.0		22.2		390.0		106.0

Notes:

ND or U

Indicates compound was analyzed for, but not detected at or above the reporting limit - detection limit was used as value

J

Indicates an estimated value. This data indicates the presence of this compound that meets the identification criteria but the result is less than the quantitation limit but greater than zero

D

Compounds identified in an analysis at the secondary dilution factor

Geneva/Border City Pre-remediation Sample Data (PPM)

Sample Identification		GEVIWC241C		GEVIWC242C		GEVIWC243C		GEVIWC244C		GEVIWC245C		GEVIWC246C		GEVIWC461C	
Sample Date															
Sample Type															
Depth (below original grade)															
Volatile Organics															
Benzene	J	0.690		1.300		3.800		0.031	J	0.100	J	0.087	J	0.160	J
Semi-Volatile Organics															
Naphthalene	D	1100.000	D	5000.000		1600.000		170.000	D	3000.000	D	3000.000	D	1.600	
2-Methylnaphthalene	DJ	190.000	D	1100.000		340.000		49.000	D	560.000	DJ	580.000	DJ	0.180	J
Acenaphthylene	DJ	160.000	D	950.000		330.000		39.000	DJ	310.000	DJ	820.000	ND	0.410	ND
Acenaphthene	ND	160.000	ND	400.000	ND	200.000	ND	42.000	ND	340.000	DJ	390.000	DJ	0.410	ND
Dibenzofuran	DJ	130.000	DJ	670.000		240.000		32.000	DJ	500.000	DJ	400.000	DJ	0.210	J
Fluorene	DJ	170.000	D	850.000		320.000		44.000	D	730.000	DJ	520.000	DJ	0.280	J
Phenanthrene	D	620.000	D	2900.000		1200.000		160.000	D	2600.000	D	2000.000	D	1.100	
Anthracene	DJ	120.000	DJ	820.000		290.000		75.000	D	800.000	D	350.000	DJ	0.200	J
Fluoranthene	D	370.000	D	1700.000		690.000		110.000	D	1500.000	D	1100.000	D	0.640	
Pyrene	D	270.000	D	1200.000		510.000		85.000	D	1100.000	D	870.000	D	0.450	
Benzo (g,h,i) perylene	ND	160.000	ND	290.000	J	290.000		42.000	ND	800.000	ND	820.000	ND	0.410	ND
Benzo (a) anthracene	DJ	150.000	DJ	700.000		270.000		51.000	D	590.000	DJ	470.000	DJ	0.240	J
Chrysene	DJ	100.000	DJ	520.000		200.000		41.000	DJ	520.000	DJ	330.000	DJ	0.170	J
Benzo (b) fluoranthene	DJ	79.000	DJ	410.000		180.000	J	27.000	DJ	390.000	DJ	820.000	ND	0.410	ND
Benzo (k) fluoranthene	DJ	100.000	DJ	380.000	J	140.000	J	33.000	DJ	800.000	ND	820.000	ND	0.410	ND
Benzo (a) pyrene	DJ	110.000	DJ	500.000		190.000	J	36.000	DJ	430.000	DJ	340.000	DJ	0.170	J
Indeno (1,2,3-cd) pyrene															
Dibenzo (a,h) anthracene															
Total PAHs		3,989.0		18,390.0		6,990.0		1,036.0		14,970.0		13,630.0		7.3	
Total Carcinogenic PAHs		539.0		2,510.0		980.0		188.0		2,730.0		2,780.0		1.4	

Notes:

ND or U Indicates c
J Indicates
D Compound

Geneva/Border City Pre-remediation Sample Data (PPM)

Sample Identification	GEVIWC462C		GEVIWC463C		GEVIWC464C		GEVIWC465C		GEVIWC466C		GEVIWC6101C		GEVIWC6103C	
Sample Date														
Sample Type														
Depth (below original grade)														
Volatile Organics														
Benzene	2.100		0.037	J	0.500	ND	0.500	ND	0.500	ND	0.012	J	0.040	J
Semi-Volatile Organics														
Naphthalene	3000.000		12.000	D	1.600		3.000		2.300		0.140	J	0.750	
2-Methylnaphthalene	780.000		3.100	DJ	0.200	J	0.420		0.300	J	0.410	ND	0.120	J
Acenaphthylene	620.000		3.100	DJ	0.420	ND	0.150	J	0.410	ND	0.410	ND	0.400	ND
Acenaphthene	410.000	ND	4.000	ND	0.420	ND	0.270	J	0.410	ND	0.410	ND	0.400	ND
Dibenzofuran	440.000		3.100	DJ	0.140	J	0.340	J	0.410	ND	0.410	ND	0.400	ND
Fluorene	560.000		4.100	D	0.180	J	0.460		0.410	ND	0.410	ND	0.400	ND
Phenanthrene	1800.000		15.000	D	0.470		1.500		0.460		0.120	J	0.400	ND
Anthracene	500.000		2.900	DJ	0.420	ND	0.440		0.410	ND	0.410	ND	0.400	ND
Fluoranthene	1000.000		9.700	D	0.330	J	0.980		0.600		0.410	ND	0.400	ND
Pyrene	720.000		7.200	D	0.260	J	0.700		0.480		0.410	ND	0.400	ND
Benzo (g,h,i) perylene	410.000	ND	4.000	ND	0.420	ND	0.390	ND	0.410	ND	0.410	ND	0.400	ND
Benzo (a) anthracene	420.000		3.900	DJ	0.420	ND	0.380	J	0.390	J	0.410	ND	0.400	ND
Chrysene	330.000	J	2.900	DJ	0.420	ND	0.300	J	0.310	J	0.410	ND	0.400	ND
Benzo (b) fluoranthene	250.000	J	2.600	DJ	0.420	ND	0.250	J	0.270	J	0.410	ND	0.400	ND
Benzo (k) fluoranthene	200.000	J	2.200	DJ	0.420	ND	0.220	J	0.260	J	0.410	ND	0.400	ND
Benzo (a) pyrene	290.000	J	2.800	DJ	0.420	ND	0.280	J	0.320	J	0.410	ND	0.400	ND
Indeno (1,2,3-cd) pyrene														
Dibenzo (a,h) anthracene														
Total PAHs	11,730.0		82.6		7.0		10.1		8.2		6.0		6.5	
Total Carcinogenic PAHs	1,490.0		14.4		2.1		1.4		1.6		2.1		2.0	

Notes:

ND or U

Indicates c

J

Indicates

D

Compound

Table 1

New York State Electric and Gas Corporation
Pre-IRM Sampling Program - April 2004
Geneva (Border City) MGP Site

Section 1

Depth Interval	Soil Boring ID							
	SB 1-1	PID	SB 1-2	PID	SB 1-3	PID	SB 1-4	PID
0.0 - 0.5	Brown m-c SAND, some f-m Gravel, damp.	ND	Brown f-c SAND and f-m GRAVEL, damp.	ND	Gray/brown f-c SAND and f-m GRAVEL, damp, little Organics at surface (mulch).	ND	Gray/brown f-c SAND and f-m GRAVEL, damp.	ND
0.5 - 1.0	Black f-m SAND, some c Sand, little to some Coal, trace f-m Gravel, wet.	5.4	Black f-m SAND, little Ash and Coal, trace c Sand, trace f Gravel, wet.	ND	Black fines (SILT, ASH, f-m SAND), little Tar, trace c Sand, trace Coal, trace f-m Gravel, damp, strong odor.	2.8	Black fines (ASH, COAL, f-m SAND), some Tar, little c Sand, little f Gravel, damp.	715
1.0 - 1.5								
1.5 - 2.0	Gray f SAND, wet, slight odor.	9.7	Dark gray Sandy SILT, trace Organics (roots), damp.	ND		122	Gray/brown f SAND, damp, strong odor.	≥1000
2.0 - 2.5	Brown f SAND, wet, slight odor.	14.1	Brown f SAND, little Silt, little Clay at 2.6'-2.8', damp.	5.1	Dark gray f SAND, damp, odor.	80.1		187
2.5 - 3.0						135		
3.0 - 3.5	Brown Silty CLAY, trace f-m Sand, damp.	6.2			Brown f SAND, damp, odor.		Brown f SAND, damp.	
3.5 - 4.0								
4.0 - 4.5	Brown f SAND, wet.	0.9		17.1		26		37.6
4.5 - 5.0	Gray with dark gray/black f SAND, wet, slight odor.	10.9	Brown f SAND, wet.		Brown/gray f SAND, damp, odor.		Brown f SAND, wet.	
5.0 - 5.5	Gray/brown CLAY, trace f-c Sand, trace f Gravel, damp.	19.2						
5.5 - 6.0	Brown CLAY, tight, damp.	ND			Gray/brown Silty CLAY, damp.	6.7		ND
6.0 - 6.5				ND		ND		
6.5 - 7.0								
7.0 - 7.5								
7.5 - 8.0		ND	Brown to red/brown CLAY, tight, damp.	ND	Brown CLAY, tight, damp.	ND	Brown to red/brown CLAY, tight, damp.	ND
8.0-8.5								
8.5-9.0								
9.0-9.5								
9.5-10.0								

Notes:

1. c = coarse, m = medium, f = fine.
2. PID = photoionization detector readings reported in parts per million (ppm).
3. ND = Non-detect.
4. Depth interval in feet below grade.

Table 2

New York State Electric and Gas Corporation
Pre-IRM Sampling Program - April 2004
Geneva (Border City) MGP Site

Section 2

Depth Interval	Soil Boring ID							
	SB 2-1	PID	SB 2-2	PID	SB 2-3	PID	SB 2-4	PID
0.0 - 0.5	Dark gray f-m GRAVEL and f-c SAND, damp.	ND	Dark gray f-m GRAVEL and f-c SAND, trace Brick fragments (0-0.2'). Black f-m SAND and TAR, little Ash, little Coal, little c Sand, damp, odor.	ND	Gray/dark gray f-m GRAVEL and f-c SAND, damp.	ND	Dark gray f-m GRAVEL and f-c SAND, damp.	ND
0.5 - 1.0	Black fines (ASH, COAL, f-m SAND), trace c Sand, trace f Gravel, damp.	ND		381			Black f-m SAND, some Tar, little Coal, hard.	85.3
1.0 - 1.5	Brown f SAND, damp.	ND				252	Black TAR, little Organics, trace Coal, damp.	151.0
1.5 - 2.0	Gray/brown Silty SAND, damp.	17.4		95	Black TAR and f-m SAND, little Coal, trace Brick, trace Slag, damp.			
2.0 - 2.5			Gray/brown Silty SAND, damp.	70.4	Black SILT, little f Sand, damp.	31.5		
2.5 - 3.0					Brown Sandy SILT, damp.	22.8		
3.0 - 3.5		5.1	Brown f SAND, damp.				Black TAR, strong odor. Brown Clay at 4.9'.	440
3.5 - 4.0	Brown f SAND, wet.	41.9	Brown Silty SAND, damp.	68.4	Gray/brown f SAND, wet.	17.6		
4.0 - 4.5				44.6				
4.5 - 5.0			Gray/brown f SAND, wet.					
5.0 - 5.5						7.1	Refusal at 5.0' bgs - 3 attempts.	
5.5 - 6.0	Brown CLAY, damp.	19.1	Brown CLAY, tight, damp.	13.2	Brown CLAY, damp, trace gray mottling.			
6.0 - 6.5								
6.5 - 7.0								
7.0 - 7.5								
7.5 - 8.0								
8.0 - 8.5		39.2		70.1		ND		
8.5 - 9.0								
9.0 - 9.5								
9.5 - 10.0								

Notes:

1. c = coarse, m = medium, f = fine.
2. PID = photoionization detector readings reported in parts per million (ppm).
3. ND = Non-detect.
4. Depth interval in feet below grade.

Table 3

New York State Electric and Gas Corporation
Pre-IRM Sampling Program - April 2004
Geneva (Border City) MGP Site

Section 3

Depth Interval	Soil Boring ID							
	SB 3-1	PID	SB 3-2	PID	SB 3-3	PID	SB 3-4	PID
0.0 - 0.5	Gray f-m GRAVEL and f-c SAND, wet.	ND	Gray f-m GRAVEL, wet.	ND	Black f-m SAND, some to little c Sand, little f Gravel, trace Ash, trace Coal, trace Brick fragment, wet.	ND	Dark gray f-m GRAVEL, wet (0-0.2'). Black f-m SAND, some c Sand, little Ash, little Coal, little Slag, trace f-m Gravel, wet.	ND
0.5 - 1.0	Black f-m SAND, little Ash, little Coal, damp.	ND	Black f-m SAND, little Ash, little Coal, little Cinders, little Tar, trace red Brick fragments, trace c Sand, damp.	ND		ND		ND
1.0 - 1.5				233	Dark gray/brown f SAND, damp.	ND		
1.5 - 2.0	Dark gray SILT and f SAND, damp.	17.9		566		ND	Dark brown SILT, some f Sand, wet.	ND
2.0 - 2.5						ND		
2.5 - 3.0		41.1	Black TAR, trace Silt, trace f Sand, damp.		Brown f SAND, damp.			ND
3.0 - 3.5	Brown f SAND, damp.							
3.5 - 4.0							Brown f SAND, wet.	
4.0 - 4.5		54.7		21.4	Brown f SAND, wet.	ND		ND
4.5 - 5.0	Dark gray/brown f SAND, wet.		Gray/brown f SAND, wet.			ND		ND
5.0 - 5.5		17.1					Dark gray f SAND, wet.	
5.5 - 6.0				2.1				ND
6.0 - 6.5								
6.5 - 7.0								
7.0 - 7.5								
7.5 - 8.0	Brown CLAY, tight, damp.		Brown to red/brown CLAY, damp, trace gray mottling.	0.2	Brown CLAY, tight, damp.	ND	Brown CLAY, tight, damp.	ND
8.0 - 8.5		ND						
8.5 - 9.0								
9.0 - 9.5								
9.5 - 10.0								

Notes:

1. c = coarse, m = medium, f = fine.
2. PID = photoionization detector readings reported in parts per million (ppm).
3. ND = Non-detect.
4. Depth interval in feet below grade.

Table 4

New York State Electric and Gas Corporation
Pre-IRM Sampling Program - April 2004
Geneva (Border City) MGP Site

Section 4

Depth Interval	Soil Boring ID							
	SB 4-1	PID	SB 4-2	PID	SB 4-3	PID	SB 4-4	PID
0.0 - 0.5	Gray f-m GRAVEL, dry.	ND	Gray f-m GRAVEL, dry.	ND	Gray/brown f-m GRAVEL, some f-c Sand, dry.	ND	Gray/dark gray f-m GRAVEL, some f-c Sand, damp.	ND
0.5 - 1.0	Gray/brown f-m GRAVEL, little Silt, little f-c Sand, damp.	ND			Black f-m SAND, little c Sand, little f-m Gravel, little Coal, dry, slight odor.	0.3	Black f-m SAND, little c Sand, little f Gravel, little Brick fragments, trace Coal, damp, slight odor.	0.1
1.0 - 1.5	Black f-m SAND and f-m GRAVEL, trace Coal, hard.	ND	Gray/brown f-c SAND and f-m GRAVEL, damp.	ND	Brown/black f-m SAND, trace c Sand, trace f Gravel, damp, slight odor.	ND	Brown f-c SAND, some f-m Gravel, damp to wet.	ND
1.5 - 2.0	Black f-m SAND and f-m GRAVEL, trace Coal, hard, interbedded with brown f Sand, damp.	ND	Black f-c SAND, little f-m Gravel, trace Coal, trace Tar, damp to wet, odor.	51.6	Brown CLAY.	ND	Brown f SAND, wet.	0.2
2.0 - 2.5				25.7	Dark brown/black f-m SAND, SILT and CLAY, damp, slight odor.	0.4		ND
2.5 - 3.0					Brown f SAND, damp.	ND	Brown/gray f SAND, wet.	ND
3.0 - 3.5	Gray f SAND, damp.	ND	Brown f SAND, damp.	ND	Brown/gray f SAND, damp.	ND		
3.5 - 4.0						ND	Brown to red/brown CLAY, tight, damp.	ND
4.0 - 4.5	Brown CLAY, tight, damp.	ND		ND				
4.5 - 5.0					Brown to red/brown CLAY, damp, tight.			
5.0 - 5.5				ND				
5.5 - 6.0								
6.0 - 6.5		ND	Brown to red/brown CLAY, tight, damp, trace f Sand at bottom.					
6.5 - 7.0								
7.0 - 7.5								
7.5 - 8.0								
8.0 - 8.5		ND		ND		ND		ND
8.5 - 9.0								
9.0 - 9.5								
9.5 - 10.0								

Notes:

1. c = coarse, m = medium, f = fine.
2. PID = photoionization detector readings reported in parts per million (ppm).
3. ND = Non-detect.
4. Depth interval in feet below grade.

Table 5

New York State Electric and Gas Corporation
Pre-IRM Sampling Program - April 2004
Geneva (Border City) MGP Site

Section 5

		Soil Boring ID							
Depth Interval	SB 5-1	PID	SB 5-2	PID	SB 5-3	PID	SB 5-4	PID	
0.0 - 0.5	Gray/dark gray f-m GRAVEL, some f-c Sand, damp to wet.	ND	Gray/dark gray f-m GRAVEL, some f-c Sand, damp grading to brown m-c Sand and f Gravel, dry.	ND	Gray/brown f-m GRAVEL, some f-c Sand, damp.	ND	Gray f-m GRAVEL, dry.	ND	
0.5 - 1.0	Black f-m SAND, some c Sand, some f-m Gravel, wet.	0.3		ND		0.6	Gray/brown f-c SAND and f-m GRAVEL, damp.	ND	
1.0 - 1.5									
1.5 - 2.0	Dark gray f-c SAND and f-m GRAVEL, wet.	0.1	Black f-m SAND, little f Gravel, trace Ash, damp.	0.2	Black f-m SAND, little c Sand, little f Gravel, trace Brick fragments, trace Coal, damp.		Black f-m SAND, little c Sand, little f Gravel, trace Ash, trace Coal, damp, odor, sheen.	13.5	
2.0 - 2.5	Gra/brown f SAND, wet.	0.3	Dark gray f SAND, damp.	0.3	Dark brown f-c SAND and f-m GRAVEL, wet, slight sheen.	1.9		45.6	
2.5 - 3.0				0.9		109			
3.0 - 3.5			Dark gray Silty CLAY, little f Sand, damp.	0.1	Brown f SAND, wet.		Dark gray f SAND, wet.	19.0	
3.5 - 4.0									
4.0 - 4.5	Brown to red/brown CLAY, tight, damp.	ND	Gray f SAND, wet.	0.1		ND		10.9	
4.5 - 5.0				0.1		ND			
5.0 - 5.5									
5.5 - 6.0		Gray to brown CLAY, tight, damp.	ND	Gray to brown CLAY, tight, damp.		ND		Brown CLAY, tight, damp, trace f Sand at 9.5'-10.0'.	ND
6.0 - 6.5									
6.5 - 7.0									
7.0 - 7.5									
7.5 - 8.0		ND					ND		
8.0-8.5									
8.5-9.0									
9.0-9.5									
9.5-10.0	Brown f SAND, damp.	ND							

Notes:

1. c = coarse, m = medium, f = fine.
2. PID = photoionization detector readings reported in parts per million (ppm).
3. ND = Non-detect.
4. Depth interval in feet below grade.

Table 6

New York State Electric and Gas Corporation
Pre-IRM Sampling Program - April 2004
Geneva (Border City) MGP Site

Section 6

Depth Interval	Soil Boring ID							
	SB 6-1	PID	SB 6-2	PID	SB 6-3	PID	SB 6-4	PID
0.0 - 0.5	Dark gray m-c SAND and f-m GRAVEL, tight, damp.	ND	Brown m-c SAND and f-m GRAVEL, wet grading to brown/black.	ND	Gray f-m GRAVEL and f-c SAND over Silty CLAY. 4 attempts, but only approximately 1' of recovery.	ND	Brown m-c SAND and f-m GRAVEL, wet, odor.	18.4
0.5 - 1.0		ND	Black m-c SAND, some f Gravel, little m Gravel, wet, slight odor.	0.4		Black f-m SAND, some Coal, little to some Tar, little Ash, damp, strong odor.	Black f-c GRAVEL and COAL, damp.	12.7
1.0 - 1.5	Gray/brown f-c SAND and f GRAVEL, dry.						79.4	
1.5 - 2.0	Black f-m SAND, little Ash, little c Sand, trace Coal, wet.						52.8	
2.0 - 2.5	Dark gray Silty SAND grading to brown f SAND, damp.						43.4	
2.5 - 3.0	Brown SILT and CLAY and f SAND, damp.						20.6	
3.0 - 3.5	Brown f SAND, wet.	0.3	0.2	ND	Black f-m SAND, little f Gravel, little c Sand, wet, slight odor.	9.6		
3.5 - 4.0		0.1					12.2	
4.0 - 4.5		ND						6.9
4.5 - 5.0	Brown to red/brown CLAY, tight, damp.	ND	Brown to red/brown CLAY, tight, damp, trace gray mottling.	ND	Brown to red/brown CLAY, tight, damp, trace gray mottling.	2.4		
5.0 - 5.5								
5.5 - 6.0								
6.0 - 6.5								
6.5 - 7.0								
7.0 - 7.5								
7.5 - 8.0								
7.5 - 8.0								
8.0-8.5								
8.5-9.0								
9.0-9.5								
9.5-10.0								

Notes:

1. c = coarse, m = medium, f = fine.
2. PID = photoionization detector readings reported in parts per million (ppm).
3. ND = Non-detect.
4. Depth interval in feet below grade.

Chain of Custody Record

SEVERN

TRENT

SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client NYSCG		Project Manager VIACT DANILCHUK		Date 09/13/04	Chain of Custody Number 014786
Address Corporate Center - Birmingham Ind. Park		Telephone Number (Area Code)/Fax Number (667) 774-2162		Lab Number	Page 1 of 2

City Birmingham	State AL	Zip Code 35202	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) NYSCG - Geneva Pre-Ren (NY)			Carrier/Waybill Number			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives															
			Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/ NaOH		TOC Vials	TOC Vials	TOC Vials	TOC Vials	TOC Vials	TOC Vials	TOC Vials	TOC Vials	TOC Vials	TOC Vials
GEV1WC 02 LC	09/13/04	1510				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 24 LC		1515				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 46 LC		1520				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 610 LC		1525				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 02 LC		1140				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 24 LC		1145				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 46 LC		1150				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 610 LC		1155				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 02 LC	09/14/04	1330				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 24 LC		1335				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 46 LC		1340				X	0							X	X	X	X	X	X	X	X	X	X
GEV1WC 610 LC		1345				X	0							X	X	X	X	X	X	X	X	X	X

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 3 months)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____	

1. Relinquished By 	Date 09/13/04	Time 1700	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client <i>W. J. ...</i>			Project Manager <i>W. J. ...</i>			Date <i>01/10/09</i>		Chain of Custody Number <i>014783</i>								
Address <i>...</i>			Telephone Number (Area Code)/Fax Number <i>...</i>			Lab Number		Page <i>1</i> of <i>1</i>								
City <i>...</i>	State <i>MI</i>	Zip Code <i>48106</i>	Site Contact		Lab Contact		Analysis (Attach list if more space is needed)									
Project Name and Location (State) <i>...</i>			Carrier/Waybill Number													
Contract/Purchase Order/Quote No.			Matrix		Containers & Preservatives		Special Instructions/ Conditions of Receipt									
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Air	Aqueous	Sed.				Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH
<i>...</i>		<i>...</i>	<i>...</i>													
Possible Hazard Identification				Sample Disposal				(A fee may be assessed if samples are retained longer than 3 months)								
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown				☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months												
Turn Around Time Required				QC Requirements (Specify)												
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____																
1. Relinquished By <i>...</i>			Date <i>01/10/09</i>	Time <i>15:00</i>	1. Received By			Date	Time							
2. Relinquished By			Date	Time	2. Received By			Date	Time							
3. Relinquished By			Date	Time	3. Received By			Date	Time							
Comments																

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

SERVICES

Severn Trent Laboratories, Inc.

Client 114006	Project Manager DACT DAVICHKY	Date 07/13/09	Chain of Custody Number 014785
Address PO BOX 5224 CLARK COUNTY PARKWAY AND PARK	Telephone Number (Area Code)/Fax Number (907) 762-2073	Lab Number	Page 2 of 2

City BIRMINGHAM	State NY	Zip Code 13402	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)												Special Instructions/
Project Name and Location (State) MERCY - GENERAL HSE REMEDIATION (NY)			Carrier/Waybill Number		1	2	3	4	5	6	7	8	9	10	11	12	

Contract/Purchase Order/Quote No.

[illegible]

Possible Hazard Identification

[illegible]

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

☐ *Return To Client*☒ Disposal By Lab☐ Archive For Months

(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

QC Requirements (Specify)

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

1. Relinquished By

Date: 04/15/14

Time 1700

1. Received By	

Date _____

Time

2. Relinquished By

Date _____

Time

2. Received By

Date _____

Time

3. Relinquished By

Date _____

Time

3. Received By	

Date _____

Time

Comments

Chain of Custody Record



Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client MTA		Project Manager John Smith		Date 09/14/04	Chain of Custody Number 014784
Address 12345 Main St, Springfield, IL 62761		Telephone Number (Area Code)/Fax Number (312) 702-2605		Lab Number	Page 1 of 1

City Springfield, IL	State IL	Zip Code 62761	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) MTA - General Per. Remediation (N/A)			Carrier/Waybill Number			
Contract/Purchase Order/Quote No.						

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives							Conditions of Receipt												
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	-TCL	NO2	NO3	TOTAL	PCB	PCDD	PCDF	PCB	PCDD	PCDF	PCB	PCDD	PCDF	PCB	PCDD
GC11W1023C	9/14/04	1100				X	6							X	X	X	X	X	X	X	X	X	X	X	X	X	X
GC11W1024C		1105				X	6							X	X	X	X	X	X	X	X	X	X	X	X	X	X
GC11W1025C		1110				X	6							X	X	X	X	X	X	X	X	X	X	X	X	X	X
GC11W1026C		1115				X	6							X	X	X	X	X	X	X	X	X	X	X	X	X	X
GC11W1027C		1520				X	6							X	X	X	X	X	X	X	X	X	X	X	X	X	X
GC11W1028C		1525				X	6							X	X	X	X	X	X	X	X	X	X	X	X	X	X
GC11W1029C		1530				X	6							X	X	X	X	X	X	X	X	X	X	X	X	X	X
GC11W1030C		1535				X	6							X	X	X	X	X	X	X	X	X	X	X	X	X	X
GC11W1031C		1540				X	6							X	X	X	X	X	X	X	X	X	X	X	X	X	X
GC11W1032C																											
GC11W1033C																											
GC11W1034C																											
GC11W1035C																											
GC11W1036C																											
GC11W1037C																											
GC11W1038C																											
GC11W1039C																											
GC11W1040C																											
GC11W1041C																											
GC11W1042C																											
GC11W1043C																											
GC11W1044C																											
GC11W1045C																											
GC11W1046C																											
GC11W1047C																											
GC11W1048C																											
GC11W1049C																											
GC11W1050C																											

Possible Hazard Identification	Sample Disposal	(A lee may be assessed if samples are retained longer than 3 months)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
☐ 24 Hours ☐ 48 Hrs. ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____	

1. Relinquished By John Smith	Date 09/14/04	Time 1100	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

APPENDIX C

MATERIAL DISPOSITION

GENEVA / BORDER CITY
FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES CLEANUP PROJECT
CASIE PROTANK ENVIRONMENTAL SERVICES
MID ATLANTIC RECYCLING TECH, VINELAND, NEW JERSEY
CONDITIONALLY EXEMPT MGP REMEDIATION WASTE - THERMALLY TREATED

SHIP DATE	NYSEG MANIFEST	CASIE MANIFEST	TRANSPORTER	TONNAGE
6/1/2004	GEN-04-088		Cason Trucking	30.39
6/1/2004	GEN-04-089		Cason Trucking	31.14
6/1/2004	GEN-04-090		Cason Trucking	19.83
6/1/2004	GEN-04-091		Cason Trucking	31.05
6/1/2004	GEN-04-092		Cason Trucking	27.35
6/1/2004	GEN-04-093		Cason Trucking	28.17
6/1/2004	GEN-04-094		Cason Trucking	35.66
6/2/2004	GEN-04-095		Page Transportation	22.92
6/2/2004	GEN-04-096		Page Transportation	25.25
6/2/2004	GEN-04-097		Page Transportation	26.91
6/2/2004	GEN-04-098		Page Transportation	20.86
6/2/2004	GEN-04-099		Page Transportation	20.63
6/2/2004	GEN-04-100		Page Transportation	23.15
6/2/2004	GEN-04-101		Cason Trucking	25.41
6/2/2004	GEN-04-102		Cason Trucking	27.03
6/2/2004	GEN-04-103		Cason Trucking	25.80
6/2/2004	GEN-04-104	NHZ020-155962	Cason Trucking	26.73
6/2/2004	GEN-04-105	NHZ020-155963	Cason Trucking	33.90
6/3/2004		NHZ020-156047	Page Transportation	23.13
6/3/2004		NHZ020-156048	Page Transportation	21.91
6/3/2004		NHZ020-156049	Page Transportation	24.53
6/3/2004		NHZ020-156050	Page Transportation	23.01
6/3/2004		NHZ020-156051	Page Transportation	23.10
6/4/2004		NHZ020-156052	Page Transportation	20.94
6/4/2004		NHZ020-156053	Page Transportation	21.90
6/4/2004		NHZ020-156054	Page Transportation	22.36
6/4/2004		NHZ020-156055	Page Transportation	24.68
6/4/2004		NHZ020-156056	Page Transportation	23.96
6/4/2004		NHZ020-156057	Page Transportation	25.17
6/4/2004		NHZ020-156058	Page Transportation	27.59
6/7/2004		NHZ020-156059	Page Transportation	32.90
6/7/2004		NHZ020-156060	Buffalo Fuel Corp	19.53
6/7/2004		NHZ020-156061	Buffalo Fuel Corp	21.39
6/7/2004		NHZ020-156062	Buffalo Fuel Corp	24.31
6/7/2004		NHZ020-156063	Buffalo Fuel Corp	23.59
6/7/2004		NHZ020-156064	Page Transportation	24.23
6/7/2004		NHZ020-156065	Page Transportation	22.42
6/7/2004		NHZ020-156066	Buffalo Fuel Corp	21.44
6/7/2004		NHZ020-156067	Page Transportation	19.65
6/7/2004		NHZ020-156068	Page Transportation	25.12
6/7/2004		NHZ020-156069	Page Transportation	24.25
6/7/2004		NHZ020-156070	Page Transportation	22.59
6/7/2004		NHZ020-156071	Page Transportation	24.42
6/7/2004		NHZ020-156072	Page Transportation	23.66
6/8/2004		NHZ020-156074	Buffalo Fuel Corp	20.01
6/8/2004		NHZ020-156075	Buffalo Fuel Corp	20.77
6/8/2004		NHZ020-156076	Page Transportation	24.19
6/8/2004		NHZ020-156077	Buffalo Fuel Corp	20.89
6/8/2004		NHZ020-156078	Buffalo Fuel Corp	22.82

6/8/2004		NHZ020-156079	Page Transportation	23.44
6/8/2004		NHZ020-156080	Buffalo Fuel Corp	20.63
6/8/2004		NHZ020-156081	Page Transportation	21.17
6/8/2004		NHZ020-156082	Page Transportation	23.85
6/8/2004		NHZ020-156083	Page Transportation	24.46
6/8/2004		NHZ020-156084	Page Transportation	24.91
6/8/2004		NHZ020-156085	Page Transportation	22.19
6/9/2004		NHZ020-156086	Page Transportation	26.80
6/9/2004		NHZ020-156087	Buffalo Fuel Corp	19.47
6/9/2004		NHZ020-156088	Buffalo Fuel Corp	17.82
6/9/2004		NHZ020-156089	Buffalo Fuel Corp	21.62
6/9/2004		NHZ020-156090	Buffalo Fuel Corp	21.96
6/9/2004		NHZ020-156091	Buffalo Fuel Corp	23.34
6/9/2004		NHZ020-156092	Page Transportation	24.05
6/9/2004		NHZ020-156093	Page Transportation	24.62
6/9/2004		NHZ020-156094	Page Transportation	25.50
6/9/2004		NHZ020-156095	Page Transportation	26.17
6/9/2004		NHZ020-156096	Page Transportation	25.43
6/9/2004		NHZ020-156524	Page Transportation	23.85
6/9/2004		NHZ020-156525	Page Transportation	23.68
6/9/2004		NHZ020-156526	Page Transportation	23.97
6/9/2004		NHZ020-156527	Page Transportation	24.42
6/9/2004		NHZ020-156528	Page Transportation	23.91
6/10/2004		NHZ020-156529	Page Transportation	27.85
6/10/2004		NHZ020-156530	Page Transportation	25.19
6/10/2004		NHZ020-156531	Buffalo Fuel Corp	22.32
6/10/2004		NHZ020-156532	Buffalo Fuel Corp	22.09
6/10/2004		NHZ020-156533	Buffalo Fuel Corp	22.00
6/10/2004		NHZ020-156534	Buffalo Fuel Corp	19.47
6/11/2004		NHZ020-156535	Page Transportation	26.67
6/11/2004		NHZ020-156536	Buffalo Fuel Corp	22.86
6/11/2004		NHZ020-156537	Buffalo Fuel Corp	22.32
6/11/2004		NHZ020-156538	Buffalo Fuel Corp	22.14
6/11/2004		NHZ020-156539	Buffalo Fuel Corp	20.74
6/11/2004		NHZ020-156540	Buffalo Fuel Corp	20.68
6/11/2004		NHZ020-156541	Page Transportation	24.74
6/11/2004		NHZ020-156542	Page Transportation	21.60
6/11/2004		NHZ020-156543	Page Transportation	23.62
6/11/2004		NHZ020-156544	Page Transportation	24.06
6/11/2004		NHZ020-156545	Page Transportation	24.46
6/11/2004		NHZ020-156546	Page Transportation	21.58
6/11/2004		NHZ020-156547	Page Transportation	23.93
6/11/2004		NHZ020-156548	Page Transportation	23.45
6/11/2004		NHZ020-156549	Page Transportation	23.74
6/11/2004		NHZ020-156550	Page Transportation	27.63
6/11/2004		NHZ020-156551	Page Transportation	26.23
6/14/2004		NHZ020-156552	Page Transportation	24.80
6/14/2004		NHZ020-156553	Buffalo Fuel Corp	19.60
6/14/2004		NHZ020-156554	Buffalo Fuel Corp	22.04
6/14/2004		NHZ020-156555	Buffalo Fuel Corp	22.91
6/14/2004		NHZ020-156556	Page Transportation	24.28
6/14/2004		NHZ020-156557	Buffalo Fuel Corp	20.71
6/14/2004		NHZ020-156558	Buffalo Fuel Corp	21.44
6/14/2004		NHZ020-156559	Page Transportation	23.93
6/14/2004		NHZ020-156560	Page Transportation	23.92
6/14/2004		NHZ020-156561	Page Transportation	22.17

6/14/2004		NHZ020-156562	Page Transportation	23.85
6/15/2004		NHZ020-156563	Page Transportation	25.20
6/15/2004		NHZ020-156564	Page Transportation	27.74
6/15/2004		NHZ020-156565	Mangiardi Trucking	21.81
6/15/2004		NHZ020-156566	Page Transportation	23.03
6/15/2004		NHZ020-156567	Page Transportation	23.46
6/15/2004		NHZ020-156568	Buffalo Fuel Corp	21.67
6/15/2004		NHZ020-156569	Buffalo Fuel Corp	20.97
6/15/2004		NHZ020-156570	Buffalo Fuel Corp	21.25
6/15/2004		NHZ020-156571	Buffalo Fuel Corp	24.05
6/15/2004		NHZ020-156573	Page Transportation	22.41
6/15/2004		NHZ020-156574	Page Transportation	25.48
6/15/2004		NHZ020-156575	Page Transportation	23.09
6/15/2004		NHZ020-156576	Page Transportation	26.44
6/15/2004		NHZ020-156577	Buffalo Fuel Corp	20.98
6/15/2004		NHZ020-156578	Page Transportation	17.78
6/15/2004		NHZ020-156579	Page Transportation	24.79
6/15/2004		NHZ020-156580	Page Transportation	26.87
6/15/2004		NHZ020-156581	Page Transportation	26.53
6/16/2004		NHZ020-156582	Page Transportation	26.50
6/16/2004		NHZ020-156583	Mangiardi Trucking	29.59
6/16/2004		NHZ020-156584	Page Transportation	23.62
6/16/2004		NHZ020-156585	Page Transportation	24.77
6/16/2004		NHZ020-156586	Page Transportation	24.21
6/16/2004		NHZ020-156587	Page Transportation	27.89
6/16/2004		NHZ020-156588	Page Transportation	27.16
6/16/2004		NHZ020-156589	Mangiardi Trucking	23.60
6/16/2004		NHZ020-156590	Mangiardi Trucking	26.32
6/16/2004		NHZ020-156591	Page Transportation	25.25
6/16/2004		NHZ020-156592	Page Transportation	24.24
6/16/2004		NHZ020-156593	Mangiardi Trucking	27.05
6/17/2004		NHZ020-156594	Buffalo Fuel Corp	19.74
6/17/2004		NHZ020-156595	Buffalo Fuel Corp	20.09
6/17/2004		NHZ020-156596	Buffalo Fuel Corp	22.67
6/17/2004		NHZ020-156597	Buffalo Fuel Corp	23.87
6/17/2004		NHZ020-156598	Buffalo Fuel Corp	21.70
6/17/2004		NHZ020-156599	Mangiardi Trucking	24.27
6/17/2004		NHZ020-156600	Mangiardi Trucking	26.35
6/17/2004		NHZ020-156601	Page Transportation	26.11
6/17/2004		NHZ020-156602	Page Transportation	24.41
6/17/2004		NHZ020-156603	Page Transportation	22.96
6/17/2004		NHZ020-156604	Page Transportation	23.82
6/17/2004		NHZ020-156605	Page Transportation	24.37
6/17/2004		NHZ020-156606	Page Transportation	23.90
6/17/2004		NHZ020-156607	Page Transportation	26.43
6/17/2004		NHZ020-156608	Page Transportation	25.82
6/21/2004		NHZ020-156609	Page Transportation	24.55
6/21/2004		NHZ020-156610	Buffalo Fuel Corp	20.81
6/21/2004		NHZ020-156611	Buffalo Fuel Corp	20.82
6/21/2004		NHZ020-156612	Page Transportation	26.51
6/21/2004		NHZ020-156613	Page Transportation	23.82
6/21/2004		NHZ020-156614	Buffalo Fuel Corp	17.51
6/21/2004		NHZ020-156615	Page Transportation	24.26
6/21/2004		NHZ020-156616	Page Transportation	23.30
6/21/2004		NHZ020-156617	Page Transportation	22.88
6/21/2004		NHZ020-156618	Page Transportation	26.28

6/21/2004		NHZ020-156619	Page Transportation	24.53
6/21/2004		NHZ020-156620	Page Transportation	26.05
6/21/2004		NHZ020-156621	Page Transportation	23.19
6/21/2004		NHZ020-156622	Page Transportation	25.42
6/21/2004		NHZ020-156623	Page Transportation	26.02
6/21/2004		NHZ020-157332	Page Transportation	24.13
6/21/2004		NHZ020-157333	Page Transportation	22.98
6/23/2004		NHZ020-157334	Page Transportation	26.00
6/23/2004		NHZ020-157335	Page Transportation	22.26
6/23/2004		NHZ020-157336	Page Transportation	25.09
6/24/2004		NHZ020-157337	Page Transportation	29.63
6/24/2004		NHZ020-157338	Page Transportation	25.13
6/30/2004		NHZ020-157339	Page Transportation	25.04
6/30/2004		NHZ020-157340	Page Transportation	22.60
6/30/2004		NHZ020-157341	Page Transportation	25.17
7/7/2004		NHZ020-157342	Page Transportation	22.78
7/7/2004		NHZ020-157343	Page Transportation	23.79
7/9/2004		NHZ020-157344	Page Transportation	21.66
7/9/2004		NHZ020-157345	Page Transportation	22.56
7/12/2004		NHZ020-157346	Page Transportation	21.56
7/13/2004		NHZ020-157347	Mangiardi Trucking	22.01
7/13/2004		NHZ020-157348	Mangiardi Trucking	27.71
7/13/2004		NHZ020-157349	Page Transportation	27.54
7/13/2004		NHZ020-157350	Page Transportation	26.06
7/13/2004		NHZ020-157351	Page Transportation	25.53
7/13/2004		NHZ020-157352	Page Transportation	23.78
7/14/2004		NHZ020-157353	Page Transportation	22.05
7/15/2004		NHZ020-157354	Page Transportation	20.35
TOTAL TONNAGE				4530.54
6/15/2004	Roll-off Container	NHZ020-156572	Page Transportation	Est. 25 yards
7/26/2004	Dump Trailer/Metal	NHZ020-157370	Page Transportation	2.71
7/28/2004	Roll-off Container	NHZ020-157356	Page Transportation	Est. 15 tons

**GENEVA / BORDER CITY
FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES CLEANUP PROJECT
ESMI OF NEW YORK, FORT EDWARD, NEW YORK
CONDITIONALLY EXEMPT MGP REMEDIATION WASTE - THERMALLY TREATED**

SHIP DATE	NYSEG MANIFEST	TRANSPORTER	TRUCK NUMBER	WEIGH TICKET	TONNAGE
5/18/2004	GEN-04-113	Mangiardi Trucking	36	2009403	33.17
5/18/2004	GEN-04-014	Mangiardi Trucking	45	2009404	35.41
5/18/2004	GEN-04-015	Cason Trucking	1	2009405	35.87
5/18/2004	GEN-04-016	Cason Trucking	16	2009406	33.85
5/18/2004	GEN-04-117	Cason Trucking	10	2009410	34.63
5/18/2004	GEN-04-018	Cason Trucking	3	2009413	31.44
5/18/2004	GEN-04-019	Cason Trucking	6	2009422	36.17
5/18/2004	GEN-04-020	Cason Trucking	17	2009419	38.60
5/18/2004	GEN-04-021	Cason Trucking	8	2009421	46.85
5/18/2004	GEN-04-022	Cason Trucking	21	2009420	36.96
5/19/2004	GEN-04-026	Mangiardi Trucking	30	2009438	39.97
5/19/2004	GEN-04-027	Mangiardi Trucking	37	2009436	41.37
5/19/2004	GEN-04-028	Mangiardi Trucking	28	2009439	40.39
5/19/2004	GEN-04-029	Mangiardi Trucking	43	2009440	36.01
5/19/2004	GEN-04-030	Cason Trucking	23	2009446	33.94
5/19/2004	GEN-04-031	Mangiardi Trucking	36	2009444	34.21
5/19/2004	GEN-04-032	Cason Trucking	18	2009449	37.22
5/19/2004	GEN-04-033	Cason Trucking	19	2009448	36.71
5/19/2004	GEN-04-034	Cason Trucking	15 (19)	2009493	36.55
5/19/2004	GEN-04-035	Cason Trucking	747	2009450	39.11
5/20/2004	GEN-04-037	Cason Trucking	16	209463	34.64
5/20/2004	GEN-04-038	Mangiardi Trucking	38	2009464	32.32
5/20/2004	GEN-04-039	Cason Trucking	2	2009476	44.12
5/20/2004	GEN-04-040	Cason Trucking	3	2009477	37.91
5/20/2004	GEN-04-041	Cason Trucking	6	2009478	40.81
5/20/2004	GEN-04-042	Cason Trucking	1	2009483	36.09
5/20/2004	GEN-04-043	Cason Trucking	15	2009485	36.03
5/20/2004	GEN-04-044	Mangiardi Trucking	43	2009488	39.11
5/20/2004	GEN-04-045	Mangiardi Trucking	42	2009490	37.65
5/20/2004	GEN-04-046	Cason Trucking	10	2009494	37.24
5/21/2004	GEN-04-047	Cason Trucking	25	2009509	32.90
5/21/2004	GEN-04-048	Mangiardi Trucking	33	2009511	30.27
5/21/2004	GEN-04-049	Mangiardi Trucking	36	2009516	33.04
5/21/2004	GEN-04-050	Cason Trucking	21	2009523	33.76
5/21/2004	GEN-04-051	Cason Trucking	18	2009526	34.17
5/21/2004	GEN-04-052	Cason Trucking	14	2009527	33.55
5/21/2004	GEN-04-053	Cason Trucking	23	2009533	33.25
5/21/2004	GEN-04-054	Mangiardi Trucking	41	2009530	36.44
5/21/2004	GEN-04-055	Cason Trucking	747	2009531	33.95
5/21/2004	GEN-04-056	Mangiardi Trucking	45	2009536	38.82
5/24/2004	GEN-04-057	Cason Trucking	3	2009554	36.56
5/24/2004	GEN-04-058	Cason Trucking	1	2009559	34.91
5/24/2004	GEN-04-059	Cason Trucking	15	2009560	29.84
5/24/2004	GEN-04-060	Cason Trucking	883	2009561	37.30
5/24/2004	GEN-04-061	Cason Trucking	23	2009564	35.49
5/24/2004	GEN-04-062	Cason Trucking	10	2009568	32.82
5/24/2004	GEN-04-063	Cason Trucking	17	2009570	31.31
5/24/2004	GEN-04-064	Cason Trucking	6	2009571	41.04
5/24/2004	GEN-04-065	Cason Trucking	8	2009576	35.34

5/24/2004	GEN-04-066	Cason Trucking	7	2009579	36.39
5/25/2004	GEN-04-067	Mangiardi Trucking	36	2009587	39.41
5/25/2004	GEN-04-068	Mangiardi Trucking	33	2009589	34.58
5/25/2004	GEN-04-069	Cason Trucking	16	2009593	36.14
5/25/2004	GEN-04-070	Cason Trucking	834	2009596	39.10
5/25/2004	GEN-04-071	Mangiardi Trucking	39	2009601	34.52
5/25/2004	GEN-04-072	Mangiardi Trucking	31	2009610	32.71
5/25/2004	GEN-04-073	Cason Trucking	25	2009615	37.16
5/25/2004	GEN-04-074	Cason Trucking	18	REJECTED*	0.00
5/25/2004	GEN-04-075	Cason Trucking	747	REJECTED*	0.00
5/25/2004	GEN-04-076	Cason Trucking	2	REJECTED*	0.00
5/26/2004	GEN-04-077	Cason Trucking	10	REJECTED*	0.00
5/26/2004	GEN-04-078	Cason Trucking	17	REJECTED*	0.00
5/26/2004	GEN-04-079	Cason Trucking	14	REJECTED*	0.00
5/26/2004	GEN-04-080	Cason Trucking	833	REJECTED*	0.00
5/26/2004	GEN-04-081	Cason Trucking	23	REJECTED*	0.00
5/26/2004	GEN-04-082	Cason Trucking	8	REJECTED*	0.00
5/26/2004	GEN-04-083	Cason Trucking	6	REJECTED*	0.00
5/26/2004	GEN-04-084	Cason Trucking	19	REJECTED*	0.00
5/26/2004	GEN-04-085	Cason Trucking	43	REJECTED*	0.00
5/26/2004	GEN-04-086	Cason Trucking	36	REJECTED*	0.00
5/26/2004	GEN-04-087	Cason Trucking	747	REJECTED*	0.00
TOTAL TONNAGE					2059.12

* Soil was rejected at ESMI for non-conformance. Soil was transported back to the site where it was dumped back in the excavation. The soil was then loaded and transported to Casie Protank Environmental Services Mid Atlantic Recycling Tech Facility in Vineland, NJ

GENEVA / BORDER CITY
FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES CLEANUP PROJECT
SENECA MEADOWS, INC., WATERLOO, NEW YORK
RCRA NON-HAZARDOUS COAL TAR SOIL - LANDFILL DISPOSAL

SHIP DATE	NYSEG MANIFEST	TRANSPORTER	TRUCK NUMBER	WEIGH TICKET	TONNAGE
5/17/2004	GEN-04-001	Cason Trucking	23	1096095	32.31
5/17/2004	GEN-04-002	Cason Trucking	18	1096107	30.93
5/17/2004	GEN-04-003	Cason Trucking	19	1096138	29.49
5/17/2004	GEN-04-004	Cason Trucking	23	1096180	32.21
5/17/2004	GEN-04-005	Cason Trucking	18	1096202	32.18
5/17/2004	GEN-04-006	Cason Trucking	19	1096222	36.30
5/17/2004	GEN-04-007	Cason Trucking	23	1096266	35.22
5/17/2004	GEN-04-008	Cason Trucking	18	1096286	35.64
5/17/2004	GEN-04-009	Cason Trucking	19	1096298	31.56
5/17/2004	GEN-04-010	Cason Trucking	23	1096368	29.95
5/17/2004	GEN-04-011	Cason Trucking	18	1096371	34.88
5/17/2004	GEN-04-012	Cason Trucking	19	1096395	35.04
5/19/2004	GEN-04-023	Mangiardi Trucking	43	1097067	38.20
5/19/2004	GEN-04-024	Mangiardi Trucking	36	1097087	37.66
5/19/2004	GEN-04-025	Cason Trucking	19	1097099	38.08
5/20/2004	GEN-04-036	Cason Trucking	1	1097630	19.61
6/22/2004	GEN-04-104	Riccelli Enterprizes	32	1110098	27.19
6/22/2004	GEN-04-105	Mangiardi Trucking	43	1110111	36.80
6/22/2004	GEN-04-106	Riccelli Enterprizes	43	1110085	18.41
6/22/2004	GEN-04-107	Riccelli Enterprizes	41	1110087	16.07
6/22/2004	GEN-04-108	Riccelli Enterprizes	501	1110116	26.91
6/22/2004	GEN-04-109	Riccelli Enterprizes	132	1110117	28.02
6/22/2004	GEN-04-110	Riccelli Enterprizes	35	1110119	26.82
6/22/2004	GEN-04-111	Mangiardi Trucking	36	1110123	33.88
6/22/2004	GEN-04-112	Riccelli Enterprizes	500	1110128	40.42
6/22/2004	GEN-04-113	Riccelli Enterprizes	206	1110139	41.40
6/22/2004	GEN-04-114	Riccelli Enterprizes	32	1110170	32.70
6/22/2004	GEN-04-115	Riccelli Enterprizes	43	1110160	23.66
6/22/2004	GEN-04-116	Riccelli Enterprizes	41	1110165	19.97
6/22/2004	GEN-04-117	Riccelli Enterprizes	501	1110196	39.85
6/22/2004	GEN-04-118	Mangiardi Trucking	43	1110223	39.28
6/22/2004	GEN-04-119	Riccelli Enterprizes	132	1110235	43.72
6/22/2004	GEN-04-120	Riccelli Enterprizes	35	1110243	34.79
6/22/2004	GEN-04-121	Riccelli Enterprizes	500	1110249	43.20
6/22/2004	GEN-04-122	Riccelli Enterprizes	43	1110220	21.10
6/22/2004	GEN-04-123	Mangiardi Trucking	36	1110259	36.64
6/22/2004	GEN-04-124	Riccelli Enterprizes	41	1110230	18.69
6/22/2004	GEN-04-125	Riccelli Enterprizes	206	1110261	43.56
6/22/2004	GEN-04-126	Riccelli Enterprizes	32	1110268	30.14
6/22/2004	GEN-04-127	Riccelli Enterprizes	501	1110275	44.21
6/22/2004	GEN-04-128	Riccelli Enterprizes	132	1110300	31.09
6/22/2004	GEN-04-129	Riccelli Enterprizes	35	1110307	32.63
6/22/2004	GEN-04-130	Riccelli Enterprizes	500	1110321	36.35
6/22/2004	GEN-04-131	Riccelli Enterprizes	41	1110299	21.61
6/22/2004	GEN-04-132	Riccelli Enterprizes	43	1110308	24.24
6/22/2004	GEN-04-133	Mangiardi Trucking	36	1110339	35.87
6/22/2004	GEN-04-134	Riccelli Enterprizes	206	1110341	37.90
6/22/2004	GEN-04-135	Riccelli Enterprizes	32	1110348	32.07
6/22/2004	GEN-04-136	Riccelli Enterprizes	501	1110358	36.34

6/22/2004	GEN-04-137	Riccelli Enterprizes	134	1110368	38.51
6/22/2004	GEN-04-138	Riccelli Enterprizes	132	1110377	38.70
6/22/2004	GEN-04-139	Riccelli Enterprizes	35	1110379	33.72
6/22/2004	GEN-04-140	Riccelli Enterprizes	41	1110361	23.74
6/22/2004	GEN-04-141	Riccelli Enterprizes	500	1110383	34.26
6/22/2004	GEN-04-142	Riccelli Enterprizes	43	1110371	23.52
6/22/2004	GEN-04-143	Riccelli Enterprizes	206	1110398	40.05
6/22/2004	GEN-04-144	Riccelli Enterprizes	32	1110409	35.78
6/22/2004	GEN-04-145	Riccelli Enterprizes	501	1110418	39.65
6/22/2004	GEN-04-146	Riccelli Enterprizes	35	1110435	36.84
6/23/2004	GEN-04-147	Mangiardi Trucking	45	1110592	34.14
6/23/2004	GEN-04-148	Mangiardi Trucking	41	1110595	35.93
6/23/2004	GEN-04-149	Riccelli Enterprizes	501	1110600	37.38
6/23/2004	GEN-04-150	Riccelli Enterprizes	114	1110601	38.95
6/23/2004	GEN-04-151	Riccelli Enterprizes	132	1110630	38.13
6/23/2004	GEN-04-152	Riccelli Enterprizes	118	1110608	35.62
6/23/2004	GEN-04-153	Riccelli Enterprizes	268	1110659	32.94
6/23/2004	GEN-04-154	Riccelli Enterprizes	265	1110677	39.60
6/23/2004	GEN-04-155	Riccelli Enterprizes	253	1110683	30.50
6/23/2004	GEN-04-156	Mangiardi Trucking	45	1110691	37.06
6/23/2004	GEN-04-157	Mangiardi Trucking	41	1110698	36.34
6/23/2004	GEN-04-158	Riccelli Enterprizes	501	1110715	40.16
6/23/2004	GEN-04-159	Riccelli Enterprizes	114	1110718	43.65
6/23/2004	GEN-04-160	Riccelli Enterprizes	132	1110720	36.90
6/23/2004	GEN-04-161	Riccelli Enterprizes	118	1110721	37.68
6/23/2004	GEN-04-162	Riccelli Enterprizes	268 (238)	1110748	42.30
6/23/2004	GEN-04-163	Riccelli Enterprizes	265	1110773	31.88
6/23/2004	GEN-04-164	Riccelli Enterprizes	253	1110779	34.74
6/23/2004	GEN-04-165	Mangiardi Trucking	45	1110783	36.41
6/23/2004	GEN-04-166	Mangiardi Trucking	41	1110787	37.68
6/23/2004	GEN-04-167	Riccelli Enterprizes	501	1110798	43.13
6/23/2004	GEN-04-168	Riccelli Enterprizes	114	1110808	37.49
6/23/2004	GEN-04-169	Riccelli Enterprizes	118	1110815	35.56
6/23/2004	GEN-04-170	Riccelli Enterprizes	132	1110829	36.34
6/23/2004	GEN-04-171	Riccelli Enterprizes	268	1110833	35.87
6/23/2004	GEN-04-172	Riccelli Enterprizes	500	1110837	36.72
6/23/2004	GEN-04-173	Riccelli Enterprizes	265	1110862	35.01
6/23/2004	GEN-04-174	Riccelli Enterprizes	253	1110866	30.85
6/23/2004	GEN-04-175	Riccelli Enterprizes	501	1110874	45.46
6/23/2004	GEN-04-176	Riccelli Enterprizes	114	1110879	41.01
6/23/2004	GEN-04-177	Riccelli Enterprizes	118	1110890	31.18
6/23/2004	GEN-04-178	Riccelli Enterprizes	268	1110897	34.52
6/23/2004	GEN-04-179	Riccelli Enterprizes	500	1110909	39.66
6/23/2004	GEN-04-180	Riccelli Enterprizes	265	1110951	30.39
6/23/2004	GEN-04-181	Riccelli Enterprizes	253	1110952	29.47
6/23/2004	GEN-04-182	Riccelli Enterprizes	206	1110982	39.60
6/23/2004	GEN-04-183	Riccelli Enterprizes	119	1110959	31.26
6/23/2004	GEN-04-184	Riccelli Enterprizes	501	1110996	37.76
6/23/2004	GEN-04-185	Riccelli Enterprizes	118	1110999	36.42
6/24/2004	GEN-04-186	Riccelli Enterprizes	35	1111088	24.79
6/24/2004	GEN-04-187	Riccelli Enterprizes	30	1111114	20.04
6/24/2004	GEN-04-188	Riccelli Enterprizes	33	1111116	22.05
6/24/2004	GEN-04-189	Riccelli Enterprizes	109	1111181	44.57
6/24/2004	GEN-04-190	Riccelli Enterprizes	500	1111199	41.07
6/24/2004	GEN-04-191	Riccelli Enterprizes	35	1111204	21.25
6/24/2004	GEN-04-192	Riccelli Enterprizes	30	1111208	20.03

6/24/2004	GEN-04-093	Riccelli Enterprizes	33	1111211	18.70
6/24/2004	GEN-04-194	Riccelli Enterprizes	109	1111297	35.21
6/24/2004	GEN-04-195	Riccelli Enterprizes	500	1111304	33.10
6/24/2004	GEN-04-196	Riccelli Enterprizes	35	1111298	19.80
6/24/2004	GEN-04-197	Riccelli Enterprizes	30	1111310	21.14
6/24/2004	GEN-04-198	Riccelli Enterprizes	33	1111311	19.11
6/24/2004	GEN-04-199	Riccelli Enterprizes	109	1111382	29.94
6/24/2004	GEN-04-200	Riccelli Enterprizes	500	1111393	34.60
6/24/2004	GEN-04-201	Riccelli Enterprizes	35	1111377	18.99
6/24/2004	GEN-04-202	Riccelli Enterprizes	30	1111380	22.47
6/24/2004	GEN-04-203	Riccelli Enterprizes	33	1111386	22.31
6/24/2004	GEN-04-204	Riccelli Enterprizes	31	1111388	22.66
6/24/2004	GEN-04-205	Riccelli Enterprizes	109	111466	36.97
6/24/2004	GEN-04-206	Riccelli Enterprizes	35	1111434	26.18
6/24/2004	GEN-04-207	Riccelli Enterprizes	500	1111471	33.22
6/24/2004	GEN-04-208	Riccelli Enterprizes	30	1111449	20.61
6/24/2004	GEN-04-209	Riccelli Enterprizes	33	1111452	18.40
6/24/2004	GEN-04-210	Riccelli Enterprizes	31	1111461	20.47
6/24/2004	GEN-04-211	Riccelli Enterprizes	114	1111496	38.59
6/24/2004	GEN-04-212	Riccelli Enterprizes	35	1111513	23.99
6/24/2004	GEN-04-213	Riccelli Enterprizes	30	1111533	24.75
6/24/2004	GEN-04-214	Riccelli Enterprizes	33	1111534	24.20
6/24/2004	GEN-04-215	Riccelli Enterprizes	31	1111538	24.57
6/24/2004	GEN-04-216	Riccelli Enterprizes	35	1111569	22.64
6/28/2004	GEN-04-217	Riccelli Enterprizes	132	1112492	40.34
6/28/2004	GEN-04-218	Riccelli Enterprizes	114	1112503	35.18
6/28/2004	GEN-04-219	Riccelli Enterprizes	253	1112525	30.09
6/28/2004	GEN-04-220	Riccelli Enterprizes	31	1112512	36.92
6/28/2004	GEN-04-221	Riccelli Enterprizes	109	1112563	30.17
6/28/2004	GEN-04-222	Riccelli Enterprizes	132	1112575	35.73
6/28/2004	GEN-04-223	Riccelli Enterprizes	114	1112584	38.52
6/28/2004	GEN-04-224	Riccelli Enterprizes	500	1112590	32.70
6/28/2004	GEN-04-225	Riccelli Enterprizes	206	1112594	36.09
6/28/2004	GEN-04-226	Riccelli Enterprizes	31	1112595	22.14
6/28/2004	GEN-04-227	Riccelli Enterprizes	253	1112618	34.19
6/28/2004	GEN-04-228	Riccelli Enterprizes	109	1112653	39.46
6/28/2004	GEN-04-229	Riccelli Enterprizes	132	1112655	45.92
6/28/2004	GEN-04-230	Riccelli Enterprizes	114	1112664	27.84
6/28/2004	GEN-04-231	Riccelli Enterprizes	206	1112668	37.64
6/28/2004	GEN-04-232	Riccelli Enterprizes	500	1112680	35.12
6/28/2004	GEN-04-233	Riccelli Enterprizes	31	1112684	30.53
6/28/2004	GEN-04-234	Riccelli Enterprizes	253	1112703	34.93
6/28/2004	GEN-04-235	Riccelli Enterprizes	109	1112725	38.55
6/28/2004	GEN-04-236	Riccelli Enterprizes	132	1112735	27.55
6/28/2004	GEN-04-237	Riccelli Enterprizes	114	1112733	40.76
6/28/2004	GEN-04-238	Riccelli Enterprizes	500	1112744	40.69
6/28/2004	GEN-04-239	Riccelli Enterprizes	31	1112751	35.78
6/28/2004	GEN-04-240	Riccelli Enterprizes	253	1112773	28.73
6/28/2004	GEN-04-241	Riccelli Enterprizes	114	1112786	38.13
6/28/2004	GEN-04-242	Riccelli Enterprizes	132	1112821	36.65
6/28/2004	GEN-04-243	Riccelli Enterprizes	31	1112826	30.60
6/28/2004	GEN-04-244	Riccelli Enterprizes	253	1112847	33.44
6/28/2004	GEN-04-245	Riccelli Enterprizes	114	1112860	37.09
6/29/2004	GEN-04-246	Riccelli Enterprizes	140	1113052	42.62
6/29/2004	GEN-04-247	Riccelli Enterprizes	35	1113049	32.07
6/29/2004	GEN-04-248	Riccelli Enterprizes	118	1113070	36.83

6/29/2004	GEN-04-249	Riccelli Enterprizes	501	1113110	39.80
6/29/2004	GEN-04-250	Riccelli Enterprizes	33	1113097	36.28
6/29/2004	GEN-04-251	Riccelli Enterprizes	30	1113106	28.00
6/29/2004	GEN-04-252	Riccelli Enterprizes	265	1113108	32.31
6/29/2004	GEN-04-253	Riccelli Enterprizes	268	1113119	34.52
6/29/2004	GEN-04-254	Riccelli Enterprizes	140	1113139	43.45
6/29/2004	GEN-04-255	Riccelli Enterprizes	118	1113159	43.57
6/29/2004	GEN-04-256	Riccelli Enterprizes	35	1113126	37.02
6/29/2004	GEN-04-257	Riccelli Enterprizes	33	1113154	35.25
6/29/2004	GEN-04-258	Riccelli Enterprizes	30	1113158	38.39
6/29/2004	GEN-04-259	Riccelli Enterprizes	501	1113198	44.73
6/29/2004	GEN-04-260	Riccelli Enterprizes	265	1113228	37.13
6/29/2004	GEN-04-261	Riccelli Enterprizes	268	1113229	36.89
6/29/2004	GEN-04-262	Riccelli Enterprizes	140	1113240	40.69
6/29/2004	GEN-04-263	Riccelli Enterprizes	116	1113242	26.86
6/29/2004	GEN-04-264	Riccelli Enterprizes	253	1113252	31.18
6/29/2004	GEN-04-265	Riccelli Enterprizes	35	1113232	43.76
6/29/2004	GEN-04-266	Riccelli Enterprizes	33	1113243	37.02
6/29/2004	GEN-04-267	Riccelli Enterprizes	30	1113254	34.22
6/29/2004	GEN-04-268	Riccelli Enterprizes	501	1113269	39.39
6/29/2004	GEN-04-269	Riccelli Enterprizes	268	1113302	33.65
6/29/2004	GEN-04-270	Riccelli Enterprizes	265	1113321	32.24
6/29/2004	GEN-04-271	Riccelli Enterprizes	140	1113307	45.69
6/29/2004	GEN-04-272	Riccelli Enterprizes	116	1113327	37.38
6/29/2004	GEN-04-273	Riccelli Enterprizes	253	1113351	34.42
6/29/2004	GEN-04-274	Riccelli Enterprizes	35	1113325	37.38
6/29/2004	GEN-04-275	Riccelli Enterprizes	33	1113334	35.96
6/29/2004	GEN-04-276	Riccelli Enterprizes	30	1113345	34.26
6/29/2004	GEN-04-277	Riccelli Enterprizes	268	1113387	38.14
6/29/2004	GEN-04-278	Riccelli Enterprizes	265	1113403	35.56
6/29/2004	GEN-04-279	Riccelli Enterprizes	116	1113404	33.57
6/29/2004	GEN-04-280	Riccelli Enterprizes	35	1113395	37.37
6/29/2004	GEN-04-281	Riccelli Enterprizes	253	1113418	29.41
6/30/2004	GEN-04-282	Riccelli Enterprizes	109	1113662	31.18
6/30/2004	GEN-04-283	Riccelli Enterprizes	500	1113660	36.87
6/30/2004	GEN-04-284	Riccelli Enterprizes	206	1113681	31.59
6/30/2004	GEN-04-285	Riccelli Enterprizes	265	1113707	31.17
6/30/2004	GEN-04-286	Riccelli Enterprizes	500	1113737	36.60
6/30/2004	GEN-04-287	Riccelli Enterprizes	109	1113749	34.80
6/30/2004	GEN-04-288	Riccelli Enterprizes	206	1113763	43.46
6/30/2004	GEN-04-289	Riccelli Enterprizes	265	1113794	35.44
6/30/2004	GEN-04-290	Riccelli Enterprizes	500	1113800	35.86
6/30/2004	GEN-04-291	Riccelli Enterprizes	109	1113823	34.89
6/30/2004	GEN-04-292	Riccelli Enterprizes	206	1113831	40.17
6/30/2004	GEN-04-293	Riccelli Enterprizes	265	1113896	37.97
7/6/2004	GEN-04-294	Riccelli Enterprizes	118	1115808	27.49
7/6/2004	GEN-04-295	Riccelli Enterprizes	118	1115861	28.26
7/6/2004	GEN-04-296	Riccelli Enterprizes	118	1115912	35.12
7/6/2004	GEN-04-297	Riccelli Enterprizes	118	1115981	38.10
7/9/2004	GEN-04-298	Riccelli Enterprizes	32	1117419	14.59
7/9/2004	GEN-04-299	Riccelli Enterprizes	35	1117359	21.18
7/9/2004	GEN-04-300	Riccelli Enterprizes	32	1117484	21.89
7/9/2004	GEN-04-301	Riccelli Enterprizes	35	1117500	22.62
7/9/2004	GEN-04-302	Riccelli Enterprizes	32	1117602	21.69
7/9/2004	GEN-04-303	Riccelli Enterprizes	35	1117614	20.05
7/9/2004	GEN-04-304	Riccelli Enterprizes	35	1117715	21.18

7/16/2004	GEN-04-305	Riccelli Enterprizes	501	1120395	32.22
7/16/2004	GEN-04-306	Riccelli Enterprizes	82	1120401	17.06
7/16/2004	GEN-04-307	Riccelli Enterprizes	32	1120405	20.13
7/16/2004	GEN-04-308	Riccelli Enterprizes	74	1120436	12.90
TOTAL TONNAGE					7274.64

GENEVA / BORDER CITY
FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES CLEANUP PROJECT
CLEAN HARBORS OF CONNECTICUT, INC., BRISTOL, CT
NON HAZARDOUS MGP GROUNDWATER

SHIP DATE	STATE OF CONNECTICUT MANIFEST	TRANSPORTER	GALLONS
6/2/2004	CT F 1054447	Page Transportation	5,000
6/3/2004	CT F 1054442	Clean Harbors Env. Services, Inc.	5,000
6/4/2004	CT F 1054443	Clean Harbors Env. Services, Inc.	5,000
6/7/2004	CT F 1054444	Clean Harbors Env. Services, Inc.	5,005
6/8/2004	CT F 1054445	Clean Harbors Env. Services, Inc.	5,000
6/8/2004	CT F 1054446	Clean Harbors Env. Services, Inc.	5,000
6/9/2004	CT F 1054451	Clean Harbors Env. Services, Inc.	5,000
6/10/2004	CT F 1054452	Clean Harbors Env. Services, Inc.	5,000
6/15/2004	CT F 1054453	Clean Harbors Env. Services, Inc.	5,000
6/18/2004	CT F 1054454	Clean Harbors Env. Services, Inc.	5,000
6/28/2004	CT F 1054472	Clean Harbors Env. Services, Inc.	5,000
6/30/2004	CT F 1054474	Clean Harbors Env. Services, Inc.	5,000
7/1/2004	CT F 1054473	Clean Harbors Env. Services, Inc.	4,900
7/2/2004	CT F 1054469	Page Transportation	5,000
7/6/2004	CT F 1054455	Frank's Vacuum Truck Services, Inc.	5,000
7/6/2004	CT F 1054456	Frank's Vacuum Truck Services, Inc.	5,000
7/6/2004	CT F 1054457	Page Transportation	5,000
7/13/2004	CT F 1054458	Frank's Vacuum Truck Services, Inc.	5,000
7/20/2004	CT F 1054471	Clean Harbors Env. Services, Inc.	3,800
TOTAL GALLONS			93,705

APPENDIX D

ANALYTICAL RESULTS FOR COMMUNITY AIR MONITORING

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: MONDAY MAY 17, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:45 *	UW-1	NR	0.027	Wind: From West 0 MPH Temp: 51° F	11:45	UW-1	NR	0.037	Continued loading asphalt for off-site
	DW-2	NR	0.031			DW-2	NR	0.039	
8:00	UW-1	NR	0.026	Conditions: Foggy NR: No readings were taken	12:00	UW-1	NR	0.042	
	DW-2	NR	0.032			DW-2	NR	0.043	
8:15	UW-1	NR	0.033	Contractor only loading asphalt for off-site disposal.	12:15	UW-1	NR	0.040	
	DW-2	NR	0.054			DW-2	NR	0.035	
8:30	UW-1	NR	0.032	No subsurface excavation today. Monitoring for airbourne particulate necessary.	12:30	UW-3	NR	0.039	
	DW-2	NR	0.043			DW-11	NR	0.035	
8:45	UW-1	NR	0.031	No Speciated BTEX monitoring today	12:45	UW-3	NR	NR	No site activities
	DW-2	NR	0.052			DW-11	NR	NR	
9:00	UW-1	NR	0.039		13:00	UW-3	NR	0.032	
	DW-2	NR	0.046			DW-11	NR	0.035	
9:15	UW-1	NR	0.041		13:15	UW-3	NR	0.034	
	DW-2	NR	0.043			DW-11	NR	0.038	
9:30	UW-1	NR	0.043		13:30	UW-3	NR	0.043	
	DW-2	NR	0.046			DW-11	NR	0.031	
9:45	UW-1	NR	0.040		13:45	UW-3	NR	0.042	
	DW-2	NR	0.047			DW-11	NR	0.034	
10:00	UW-1	NR	0.044		14:00	UW-3	NR	0.046	Asphalt loading discontinued. Site maintenance only activity remaining.
	DW-2	NR	0.042			DW-11	NR	0.035	
10:15	UW-1	NR	0.049						UW-1 West DW-2 East UW-3 West DW-11 East
	DW-2	NR	0.043						
10:30	UW-1	NR	0.047						
	DW-2	NR	0.041						
10:45	UW-1	NR	0.039						
	DW-2	NR	0.060						
11:00	UW-1	NR	0.037						
	DW-2	NR	0.047						
11:15	UW-1	NR	0.041						
	DW-2	NR	0.051						
11:30	UW-1	NR	0.039						
	DW-2	NR	0.037						

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY MAY 18, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-1	0.0	0.016	Wind: From East 3 MPH Temp: 57° F Conditions: Mild	11:00	UW-3	0.0	0.054	
	DW-2	0.0	0.032			DW-4	0.0	0.073	
7:15	UW-1	0.0	0.016		11:15	UW-3	0.0	0.053	
	DW-2	0.0	0.015			DW-4	0.0	0.051	
7:30	UW-1	0.0	0.019		11:30	UW-3	0.0	0.051	
	DW-2	0.0	0.014			DW-4	0.0	0.053	
7:45	UW-1	0.0	0.018		11:45	UW-3	0.0	0.087	
	DW-2	0.0	0.018			DW-4	0.0	0.058	
8:00	UW-1	0.0	0.027		12:00	UW-3	0.0	0.058	
	DW-2	0.0	0.018			DW-4	0.0	0.059	
8:15	UW-1	0.0	0.021		12:15	UW-3	0.0	0.076	
	DW-2	0.0	0.019			DW-4	0.0	0.137	
8:30	UW-1	0.0	0.062		12:30	UW-3	0.0	0.072	
	DW-2	0.0	0.021			DW-4	0.0	0.128	
8:45	UW-1	0.0	0.063		12:45	UW-3	0.0	0.132	
	DW-2	0.0	0.018			DW-4	0.0	0.091	
9:00	UW-1	0.0	0.022		13:00	UW-3	0.0	0.132	
	DW-2	0.0	0.021			DW-4	0.0	0.085	
9:15	UW-1	0.0	0.021		13:15	UW-3	0.0	0.062	
	DW-2	0.0	0.022			DW-4	0.0	0.069	
9:30	UW-1	0.0	0.030		13:30	UW-3	0.0	0.064	
	DW-2	0.0	0.073			DW-11	0.0	0.067	
9:45	UW-1	0.0	0.025		13:45	UW-3	0.0	0.063	
	DW-2	0.0	0.030			DW-11	0.0	0.031	
10:00	UW-1	0.0	0.081		14:00	UW-3	0.0	0.070	
	DW-2	0.0	0.043			DW-11	0.0	0.070	
10:15	UW-3	0.0	0.044	Wind direction changed.	14:15	UW-3	0.0	0.067	
	DW-4	0.0	0.064	Changed monitoring location.		DW-11	0.0	0.066	
10:30	UW-3	0.0	0.105	Wind: From West 3 MPH	14:30	UW-3	0.0	0.078	
	DW-4	0.0	0.062			DW-11	0.0	0.068	
10:45	UW-3	0.0	0.061						UW-1 East
	DW-4	0.0	0.076						DW-2 West
									UW-3 West
									DW-4 East

* First readings of the day are not calculated 15 minute averages

DATE: MONDAY MAY 18, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY MAY 19, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
6:30 *	UW-5	0.0	0.014	Wind: From South Temp: 56° F Conditions: Excavation and backfill continues.	10:30	UW-5	0.0	0.014	No site activity.
	DW-6	0.0	0.014			DW-6	0.0	0.015	
6:45	UW-5	0.0	0.014		10:45	UW-5	0.0	0.017	
	DW-6	0.0	0.014			DW-6	0.0	0.015	
7:00	UW-5	0.0	0.013		11:00	UW-5	0.0	0.017	
	DW-6	0.0	0.015			DW-6	0.0	0.013	
7:15	UW-5	0.0	0.025		11:15	UW-5	0.0	0.019	
	DW-6	0.0	0.023			DW-6	0.0	0.013	
7:30	UW-5	0.0	0.036		11:30	UW-5	0.0	0.019	
	DW-6	0.0	0.014			DW-6	0.0	0.014	
7:45	UW-5	0.0	0.037		11:45	UW-5	0.0	0.019	
	DW-6	0.0	0.014			DW-6	0.0	0.024	
8:00	UW-5	0.0	0.021		12:00	NR	NR	NR	
	DW-6	0.0	0.025			NR	NR	NR	
8:15	UW-5	0.0	0.014		12:30	UW-5	0.0	0.027	
	DW-6	0.0	0.034			DW-6	0.0	0.023	
8:30	UW-5	0.0	0.014		12:45	UW-5	0.0	0.029	
	DW-6	0.0	0.014			DW-6	0.0	0.012	
8:45	UW-5	0.0	0.018		13:00	UW-5	0.0	0.029	
	DW-6	0.0	0.017			DW-6	0.0	0.015	
9:00	UW-5	0.0	0.014		13:15	UW-5	0.0	0.016	
	DW-6	0.0	0.012			DW-6	0.0	0.015	
9:15	UW-5	0.0	0.015		13:30	UW-5	0.0	0.017	
	DW-6	0.0	0.012			DW-6	0.0	0.017	
9:30	UW-5	0.0	0.020		13:45	UW-5	0.0	0.029	
	DW-6	0.0	0.012			DW-6	0.0	0.016	
9:45	UW-5	0.0	0.056		14:00	UW-5	0.0	0.030	
	DW-6	0.0	0.012			DW-6	0.0	0.016	
10:00	UW-5	0.0	0.056		14:15	UW-5	0.0	0.027	
	DW-6	0.0	0.014			DW-6	0.0	0.039	
10:15	UW-5	0.0	0.013		14:30	UW-5	0.0	0.019	
	DW-6	0.0	0.013			DW-6	0.0	0.040	

UW-5 South
DW-6 North

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: WEDNESDAY MAY 19, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY MAY 20, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-7	0.0	0.075	Wind: From Southeast 4 MPH Temp: 56° F Conditions: Sunny Excavation of site continues. Final asphalt loaded off-site. Immediate backfilling of clean areas.	11:00	UW-7	0.0	0.061	No activities
	DW-8	0.0	0.043			DW-8	0.0	0.056	
7:15	UW-7	0.0	0.114		11:15	UW-7	0.0	0.056	
	DW-8	0.0	0.042			DW-8	0.0	0.054	
7:30	UW-7	0.0	0.114		11:30	UW-7	0.0	0.056	
	DW-8	0.0	0.041			DW-8	0.0	0.068	
7:45	UW-7	0.0	0.062		11:45	UW-7	0.0	0.064	
	DW-8	0.0	0.043			DW-8	0.0	0.067	
8:00	UW-7	0.0	0.077		12:00	UW-7	0.0	0.071	
	DW-8	0.0	0.080			DW-8	0.0	0.063	
8:15	UW-7	0.0	0.071		12:15	UW-7	0.0	0.072	
	DW-8	0.0	0.062			DW-8	0.0	0.077	
8:30	UW-7	0.0	0.058		12:30	UW-7	0.0	0.077	
	DW-8	0.0	0.025			DW-8	0.0	0.080	
8:45	UW-7	0.0	0.028		12:45	UW-7	0.0	0.074	
	DW-8	0.0	0.031			NR	NR	NR	
9:00	UW-7	0.0	0.036		13:00	UW-7	0.0	0.082	
	DW-8	0.0	0.032			DW-8	0.0	0.070	
9:15	UW-7	0.0	0.036		13:15	UW-7	0.0	0.083	
	DW-8	0.0	0.077			DW-8	0.0	0.072	
9:30	UW-7	0.0	0.039		13:30	UW-7	0.0	0.071	
	DW-8	0.0	0.070			DW-8	0.0	0.080	
9:45	UW-7	0.0	0.042		13:45	UW-7	0.0	0.076	
	DW-8	0.0	0.050			DW-8	0.0	0.077	
10:00	UW-7	0.0	0.044		14:00	UW-7	0.0	0.090	
	DW-8	0.0	0.044			DW-8	0.0	0.079	
10:15	UW-7	0.0	0.056		14:15	UW-7	0.0	0.095	
	DW-8	0.0	0.052			DW-8	0.0	0.076	
10:30	UW-7	0.0	0.057		14:30	UW-7	0.0	0.082	
	DW-8	0.0	0.056			DW-8	0.0	0.084	
10:45	UW-7	0.0	0.052		14:45	UW-7	0.0	0.081	
	DW-8	0.0	0.057			DW-8	0.0	0.084	

UW-7 East
DW-8 West

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY MAY 20, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: THURSDAY MAY 20, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: FRIDAY MAY 21, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-9	0.8	0.084	Wind: Temp: Conditions:	11:00	UW-9	0.0	0.083	
	DW-10	1.5	0.082			DW-10	0.2	0.063	
7:15	UW-9	0.9	0.083		11:15	UW-9	0.0	0.057	
	DW-10	1.4	0.081			DW-10	0.1	0.064	
7:30	UW-9	0.0	0.086		11:30	UW-9	0.0	0.073	
	DW-10	1.6	0.081			DW-10	0.2	0.065	
7:45	UW-9	0.0	0.080		11:45	UW-9	0.0	0.059	
	DW-10	1.6	0.076			DW-10	0.1	0.064	
8:00	UW-9	0.0	0.078		12:00	UW-9	0.0	0.058	
	DW-10	1.5	0.075			DW-10	0.1	0.067	
8:15	UW-9	0.0	0.072		12:30	UW-9	0.0	0.049	
	DW-10	2.6	0.072			DW-10	NR	NR	
8:30	UW-9	0.0	0.071		13:00	UW-9	0.0	0.048	
	DW-10	2.7	0.069			DW-10	0.0	0.053	
8:45	UW-9	0.0	0.065		13:15	UW-9	0.0	0.052	
	DW-10	2.4	0.092			DW-10	NR	NR	
9:00	UW-9	0.0	0.062						
	DW-10	2.5	0.085						
9:15	UW-9	0.0	0.062						
	DW-10	0.7	0.089						
9:30	UW-9	0.0	0.065						
	DW-10	0.8	0.086						
9:45	UW-9	0.0	0.065						
	DW-10	0.9	0.082						
10:00	UW-9	0.0	0.067						
	DW-10	0.5	0.057						
10:15	UW-9	0.0	0.063						
	DW-10	0.5	0.056						
10:30	UW-9	0.0	0.058						
	DW-10	0.2	0.059						
10:45	UW-9	0.0	0.059						
	DW-10	0.2	0.058						

UW-9 North
DW-10 South

* First readings of the day are not calculated 15 minute averages

DATE: FRIDAY MAY 21, 2004

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GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: MONDAY MAY 24, 2004

Time	Location	VOCs (ppm)	Airborne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airborne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-3	0.0	0.032	Wind: From North Temp: 64° F Conditions: Ground Wet Overcast from overnight rain. Rain and lightning suspends excavation	11:00	UW-3	0.0	0.062	Metal vessel started on fire due to cutting with torches. fire extinguished by site workers VOC monitoring exhibited no heightened readings. Monitored UW and DW locations as well as closest receptors: NYSEG Customer Service Building on East and NYSEG shops to the north of exclusion area. No increased VOC levels at either receptor. Site activities stopped for safety meeting Activities re-started.
	DW-4	0.3	0.043			DW-4	0.0	0.012	
7:15	UW-3	0.0	0.114		11:15	UW-3	0.0	0.033	
	DW-4	0.4	0.042			DW-4	0.0	0.013	
7:30	UW-3	0.0	0.114		11:30	UW-3	0.0	0.071	
	DW-4	1.8	0.041			DW-4	0.0	0.021	
7:45	UW-3	0.0	0.062		11:45	UW-3	0.0	0.023	
	DW-4	NR	NR			DW-4	0.0	0.067	
8:00	UW-3	NR	NR		12:00	UW-3	0.0	0.096	
	DW-4	NR	NR			DW-4	0.0	0.036	
8:15	UW-3	NR	NR		12:15	UW-3	0.0	0.041	
	DW-4	NR	NR			DW-4	0.0	0.035	
8:30	UW-3	NR	NR		12:30	UW-3	0.0	0.026	
	DW-4	NR	NR			DW-4	0.0	0.037	
8:45	UW-3	NR	NR		12:45	UW-3	0.0	0.029	
	DW-4	NR	NR			DW-4	0.0	0.036	
9:00	UW-3	NR	NR		13:00	UW-3	0.0	0.029	
	DW-4	NR	NR			DW-4	0.0	0.038	
9:15	UW-3	NR	NR		13:15	UW-3	0.0	0.035	
	DW-4	NR	NR			DW-4	0.0	0.031	
9:30	UW-3	0.0	0.015	Poor weather dissipates. Excavation restarted	13:30	UW-3	NR	NR	
	DW-4	0.0	0.015			DW-4	NR	NR	
9:45	UW-3	0.0	0.013		13:45	UW-3	0.0	0.050	
	DW-4	0.0	0.012			DW-4	0.0	0.035	
10:00	UW-3	0.0	0.012		14:00	UW-3	0.0	0.049	
	DW-4	0.0	0.011			DW-4	0.0	0.035	
10:15	UW-3	0.0	0.056		14:15	UW-3	0.0	0.050	
	DW-4	0.0	0.010			DW-4	0.0	0.046	
10:30	UW-3	0.0	0.012		14:30	UW-3	0.0	0.040	
	DW-4	0.0	0.022			DW-4	0.0	0.032	
10:45	UW-3	0.0	0.013		14:45	UW-3	0.0	0.032	
	DW-4	0.0	0.018			DW-4	0.0	0.033	

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: MONDAY MAY 24, 2004

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DATE: MONDAY MAY 24, 2004

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GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY MAY 25, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-9	0.0	0.075	Wind: Temp: 57° F Conditions: Overcast. Ground is wet. Water throughout the site. Excavation of site continues. Backfilling continues.	11:00	UW-5	NR	NR	Site activities re-started. Monitoring locations adjusted for change in Northerly Wind. Temp: 64 ° F UW-9 North DW-10 South UW-5 South DW-6 North
	DW-10	0.0	0.043			DW-6	NR	NR	
7:15	UW-9	0.0	0.114		11:15	UW-5	NR	NR	
	DW-10	0.0	0.042			DW-6	NR	NR	
7:30	UW-9	0.0	0.114		11:30	UW-5	NR	NR	
	DW-10	0.0	0.041			DW-6	NR	NR	
7:45	UW-9	0.0	0.062		11:45	UW-5	NR	NR	
	DW-10	0.0	0.043			DW-6	NR	NR	
8:00	UW-9	0.0	0.077		12:00	UW-5	NR	NR	
	DW-10	0.0	0.080			DW-6	NR	NR	
8:15	UW-9	0.0	0.071		12:15	UW-5	NR	NR	
	DW-10	0.0	0.062			DW-6	NR	NR	
8:30	UW-9	0.0	0.058		12:30	UW-5	NR	NR	
	DW-10	0.0	0.025			DW-6	NR	NR	
8:45	UW-9	0.0	0.028		12:45	UW-5	0.0	0.024	
	DW-10	0.0	0.031			DW-6	0.0	0.023	
9:00	UW-9	0.0	0.036		13:00	UW-5	0.0	0.023	
	DW-10	0.0	0.032			DW-6	0.0	0.029	
9:15	UW-5	0.0	0.036	Broken hose on excavator shuts down site activities	13:15	UW-5	0.0	0.028	
	DW-6	0.0	0.077			DW-6	0.0	0.022	
9:30	UW-5	0.0	0.039		13:30	UW-5	0.0	0.026	
	DW-6	0.0	0.070			DW-6	0.0	0.026	
9:45	UW-5	0.0	0.042		13:45	UW-5	0.0	0.027	
	DW-6	0.0	0.050			DW-6	0.0	0.028	
10:00	UW-5	NR	NR		14:00	UW-5	0.0	0.029	
	DW-6	NR	NR			DW-6	0.0	0.027	
10:15	UW-5	NR	NR		14:15	UW-5	0.0	0.028	
	DW-6	NR	NR			DW-6	0.0	0.022	
10:30	UW-5	NR	NR		14:30	UW-5	0.0	0.031	
	DW-6	NR	NR			DW-6	0.0	0.032	
10:45	UW-5	NR	NR		14:45	UW-5	0.0	0.024	
	DW-6	NR	NR			DW-6	0.0	0.043	

* First readings of the day are not calculated 15 minute averages

DATE: TUESDAY MAY 25, 2004

[illegible]

DATE: TUES MAY 25, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY MAY 26, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-9	0.0	0.075	Wind: Temp: 60° F Conditions: Overcast Site is wet from overnight rainfall. Trucks not on-site excavation delayed. Begins to rain. Monitoring suspended until water is clear.	11:00	UW-9	0.0	0.068	Excavation completed for the day. Material rejected for disposal brought back to site to be mixed with other fill. Excavation activities halted. Excavation activities and mixing of materials restarted.
	DW-10	0.0	0.079			DW-10	0.0	0.079	
7:15	UW-9	0.0	0.075		11:15	UW-9	0.0	0.073	
	DW-10	0.0	0.085			DW-10	0.0	0.054	
7:30	UW-9	0.0	0.082		11:30	UW-9	0.0	0.056	
	DW-10	0.0	0.084			DW-10	0.0	0.068	
7:45	UW-9	0.0	0.076		11:45	UW-9	0.0	0.059	
	DW-10	0.0	0.082			DW-10	0.0	0.080	
8:00	UW-9	NR	NR		12:00	UW-9	0.0	0.061	
	DW-10	NR	NR			DW-10	0.0	0.072	
8:15	UW-9	NR	NR		12:15	UW-9	0.0	0.055	
	DW-10	NR	NR			DW-10	0.0	0.057	
8:30	UW-9	0.0	0.078		12:30	UW-9	0.0	0.056	
	DW-10	0.0	0.100			DW-10	0.0	0.069	
8:45	UW-9	0.0	0.077		12:45	UW-9	0.0	0.053	
	DW-10	0.0	0.099			DW-10	0.0	0.055	
9:00	UW-9	0.0	0.115		13:00	UW-9	0.0	0.053	
	DW-10	0.0	0.100			DW-10	0.0	0.056	
9:15	UW-9	0.0	0.085		13:15	UW-9	0.0	0.050	
	DW-10	0.0	0.085			DW-10	0.0	0.058	
9:30	UW-9	0.0	0.087		13:30	UW-9	0.0	0.053	
	DW-10	0.0	0.114			DW-10	0.0	0.054	
9:45	UW-9	0.0	0.042		13:45	UW-9	0.0	0.047	
	DW-10	1.7	0.103			DW-10	0.0	0.054	
10:00	UW-9	0.0	0.044		14:00	UW-9	0.0	0.048	
	DW-10	1.8	0.111			DW-10	0.0	0.047	
10:15	UW-9	0.0	0.074		14:15	UW-9	0.0	0.051	
	DW-10	0.0	0.071			DW-10	0.0	0.046	
10:30	UW-9	0.0	0.073		14:30	UW-9	0.0	0.046	
	DW-10	0.0	0.085			DW-10	0.0	0.054	
10:45	UW-9	0.0	0.067		14:45	UW-9	0.0	0.044	
	DW-10	0.0	0.086			DW-10	0.0	0.048	

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY MAY 26, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: WEDNESDAY MAY 26, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY MAY 27, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:15 *	UW-7	0.0	0.078	Wind: From Southeast Temp: 60 ° F Conditions: Excavation of site discontinued. Trucks that have been rejected from ESMI dumping waste into on-site pile.	11:15	UW-7	0.0	0.047	
	DW-8	0.0	0.095			DW-8	0.0	0.148	
7:30	UW-7	0.0	0.079		11:30	UW-7	0.0	0.061	
	DW-8	0.0	0.092			DW-8	0.0	0.049	
7:45	UW-7	0.0	0.081		11:45	UW-7	0.0	0.060	
	DW-8	0.0	0.101			DW-8	0.0	0.060	
8:00	UW-7	0.0	0.075		12:00	UW-7	0.0	0.058	
	DW-8	0.0	0.068			DW-8	0.0	0.054	
8:15	UW-7	0.0	0.069		12:15	UW-7	0.0	0.055	
	DW-8	0.0	0.066			DW-8	0.0	0.058	
8:30	UW-7	0.0	0.059		12:30	UW-7	0.0	0.027	
	DW-8	0.0	0.065			DW-8	0.0	0.040	
8:45	UW-7	0.0	0.060		12:45	UW-7	0.0	0.029	
	DW-8	0.0	0.060			DW-8	0.0	0.041	
9:00	UW-7	0.0	0.069		13:00	UW-7	0.0	0.026	
	DW-8	0.0	0.061			DW-8	0.0	0.029	
9:15	UW-7	0.0	0.065		13:15	UW-7	0.0	0.035	
	DW-8	0.0	0.066			DW-8	0.0	0.018	
9:30	UW-7	0.0	0.064		13:30	UW-7	0.0	0.036	
	DW-8	0.0	0.064			DW-8	0.0	0.029	
9:45	UW-7	0.0	0.062		13:45	UW-7	0.0	0.039	
	DW-8	0.0	0.068			DW-8	0.0	0.018	
10:00	UW-7	0.0	0.064		14:00	UW-7	0.0	0.040	
	DW-8	0.0	0.069			DW-8	0.0	0.023	
10:15	UW-7	0.0	0.050		14:15	UW-7	0.0	0.032	
	DW-8	0.0	0.103			DW-8	0.0	0.032	
10:30	UW-7	0.0	0.054		14:30	UW-7	0.0	0.064	
	DW-8	0.0	0.099			DW-8	0.0	0.022	
10:45	UW-7	0.0	0.049		14:45	UW-7	0.0	0.062	
	DW-8	0.0	0.048			DW-8	0.0	0.035	
11:00	UW-7	0.0	0.046		15:00	UW-7	0.0	0.062	
	DW-8	0.0	0.147			DW-8	0.0	0.079	

UW-7 Southwest
DW-8 Northwest

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY MAY 27, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: THURSDAY MAY 27, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY JUNE 1, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-11	0.0	0.034	Wind: From Southwest Temp: 57 ° F Conditions: Mild and a little wet.	11:00	UW-11	0.0	0.017	Limited site activity due to no having trucks on site.
	DW-12	0.3	0.033			DW-12	0.0	0.012	
7:15	UW-11	0.0	0.034		11:15	UW-11	0.0	0.016	
	DW-12	0.6	0.034			DW-12	0.0	0.015	
7:30	UW-11	0.0	0.031		11:30	UW-11	0.0	0.029	
	DW-12	0.6	0.032			DW-12	0.0	0.028	
7:45	UW-11	0.0	0.028		11:45	UW-11	0.0	0.032	
	DW-12	0.7	0.036			DW-12	0.0	0.014	
8:00	UW-11	0.0	0.028		12:00	UW-11	0.0	0.020	
	DW-12	0.7	0.031			DW-12	0.0	0.036	
8:15	UW-11	0.0	0.017		12:15	UW-11	0.0	0.041	
	DW-12	0.8	0.033			DW-12	0.0	0.035	
8:30	UW-11	0.0	0.019		12:30	UW-11	0.0	0.026	
	DW-12	0.8	0.017			DW-12	0.0	0.037	
8:45	UW-11	0.0	0.033		12:45	UW-11	0.0	0.029	
	DW-12	0.2	0.035			DW-12	0.0	0.036	
9:00	UW-11	0.0	0.015		13:00	UW-11	0.0	0.017	
	DW-12	0.4	0.020			DW-12	0.0	0.013	
9:15	UW-11	0.0	0.016		13:15	UW-11	0.0	0.019	
	DW-12	0.0	0.016			DW-12	0.0	0.012	
9:30	UW-11	0.0	0.017		13:30	UW-11	0.0	0.022	
	DW-12	0.0	0.017			DW-12	0.0	0.010	
9:45	UW-11	0.0	0.024		13:45	UW-11	0.0	0.016	
	DW-12	0.0	0.021			DW-12	0.0	0.011	
10:00	UW-11	0.0	0.019		14:00	UW-11	0.0	0.018	
	DW-12	0.0	0.025			DW-12	0.0	0.011	
10:15	UW-11	0.0	0.011		14:15	UW-11	0.0	0.015	
	DW-12	0.0	0.015			DW-12	0.0	0.016	
10:30	UW-11	0.0	0.017		14:30	UW-11	0.0	0.015	
	DW-12	0.0	0.013			DW-12	0.0	0.01	
10:45	UW-11	0.0	0.016		14:45	UW-11	0.0	0.018	
	DW-12	0.0	0.015			DW-12	0.0	0.017	

UW-11 Southwest
DW-12 Northwest

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: TUESDAY JUNE 1, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY JUNE 2, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-3	0.0	0.009	Wind: From West 2 MPH Temp: 53 ° F Conditions: Chance of rain Continued loading of stockpiled waste material. No new excavation on site.	11:00	UW-3	0.0	0.033	
	DW-4	0.0	0.014			DW-4	0.0	0.039	
7:15	UW-3	0.0	0.012		11:15	UW-3	0.0	0.044	
	DW-4	0.0	0.015			DW-4	0.0	0.043	
7:30	UW-3	0.0	0.017		11:30	UW-3	0.0	0.041	
	DW-4	0.0	0.016			DW-4	0.0	0.042	
7:45	UW-3	0.0	0.014		11:45	UW-3	0.0	0.060	
	DW-4	0.0	0.030			DW-4	0.0	0.047	
8:00	UW-3	0.0	0.014		12:00	UW-3	0.0	0.052	
	DW-4	0.0	0.036			DW-4	0.0	0.052	
8:15	UW-3	0.0	0.014		12:15	UW-3	0.0	0.053	
	DW-4	0.0	0.010			DW-4	0.0	0.054	
8:30	UW-3	0.0	0.016		12:30	UW-3	NR	NR	Rainfall suspends monitoring activities.
	DW-4	0.0	0.030			DW-4	NR	NR	
8:45	UW-3	0.0	0.021		12:45	UW-3	NR	NR	
	DW-4	0.0	0.031			DW-4	NR	NR	
9:00	UW-3	NR	NR	Rainfall suspends monitoring activities.	13:00	UW-3	NR	NR	
	DW-4	NR	NR			DW-4	NR	NR	
9:15	UW-3	NR	NR		13:15	UW-3	NR	NR	
	DW-4	NR	NR			DW-4	NR	NR	
9:30	UW-3	NR	NR		13:30	UW-3	0.0	0.049	
	DW-4	NR	NR			DW-4	0.0	0.038	
9:45	UW-3	NR	NR		13:45	UW-3	0.0	0.031	
	DW-4	NR	NR			DW-4	0.0	0.041	
10:00	UW-3	0.0	0.021		14:00	UW-3	0.0	0.031	
	DW-4	1.8	0.020			DW-4	0.0	0.028	
10:15	UW-3	0.0	0.024		14:15	UW-3	0.0	0.032	
	DW-4	0.0	0.026			DW-4	0.0	0.029	
10:30	UW-3	0.0	0.073		14:30	UW-3	0.0	0.030	End of site activities.
	DW-4	0.0	0.039			DW-4	0.0	0.031	
10:45	UW-3	0.0	0.036						UW-3 West DW-4 East
	DW-4	0.0	0.034						

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: WEDNESDAY JUNE 2, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY JUNE 3, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-3	0.0	0.039	Wind: From West Temp: 54 ° F Conditions: Loading of stockpile continues.	11:00	UW-3	0.0	0.017	
	DW-4	0.0	0.051			DW-4	0.0	0.014	
7:15	UW-3	0.0	0.040		11:15	UW-3	0.0	0.013	
	DW-4	0.1	0.047			DW-4	0.0	0.013	
7:30	UW-3	0.0	0.033		11:30	UW-3	0.0	0.017	
	DW-4	0.3	0.046			DW-4	0.1	0.013	
7:45	UW-3	0.0	0.043		11:45	UW-3	0.0	0.021	
	DW-4	0.1	0.038			DW-4	0.0	0.019	
8:00	UW-3	0.0	0.042		12:30	UW-3	0.0	0.018	
	DW-4	0.1	0.060			DW-4	0.0	0.024	
8:15	UW-3	0.0	0.042		12:45	UW-3	0.0	0.022	
	DW-4	0.3	0.056			DW-4	0.0	0.021	
8:30	UW-3	0.0	0.041		13:00	UW-3	0.0	0.030	
	DW-4	0.5	0.056			DW-4	0.0	0.017	
8:45	UW-3	0.0	0.035		13:15	UW-3	0.0	0.023	
	DW-4	0.4	0.041			DW-4	0.0	0.013	
9:00	UW-3	0.0	0.029		13:30	UW-3	0.0	0.011	
	DW-4	0.0	0.029			DW-4	0.0	0.012	
9:15	UW-3	0.0	0.031		13:45	UW-3	0.0	0.010	
	DW-4	0.0	0.024			DW-4	0.0	0.014	
9:30	UW-3	0.0	0.029		14:00	UW-3	0.0	0.032	
	DW-4	0.0	0.025			DW-4	0.0	0.025	
9:45	UW-3	0.0	0.025						Site activities ended.
	DW-4	0.0	0.025						
10:00	UW-3	0.0	0.023						
	DW-4	0.0	0.018						
10:15	UW-3	0.0	0.024						
	DW-4	0.0	0.019						
10:30	UW-3	0.0	0.019						
	DW-4	0.0	0.021						
10:45	UW-3	0.0	0.021						
	DW-4	0.0	0.024						

UW-3 West
DW-4 East

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: THURSDAY JUNE 3, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: FRIDAY JUNE 4, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-9	0.0	0.018	Wind: Temp: Conditions:	11:00	UW-9	0.0	0.010	
	DW-10	0.0	0.017			DW-10	0.0	0.010	
7:15	UW-9	0.0	0.015		11:15	UW-5	0.0	0.011	
	DW-10	0.0	0.018			UW-6	0.0	0.018	
7:30	UW-9	0.0	0.023		11:30	UW-5	0.0	0.011	
	DW-10	0.0	0.016			UW-6	0.0	0.031	
7:45	UW-9	0.0	0.020		11:45	UW-5	0.0	0.014	
	DW-10	0.0	0.017			UW-6	0.0	0.030	
8:00	UW-9	0.0	0.015		12:00	UW-5	0.0	0.015	
	DW-10	0.0	0.013			UW-6	0.0	0.011	
8:15	UW-9	0.0	0.013		13:00	UW-5	0.0	0.011	
	DW-10	0.0	0.013			UW-6	0.0	0.015	
8:30	UW-9	0.0	0.016		13:15	UW-5	0.0	0.012	
	DW-10	0.0	0.013			UW-6	0.0	0.013	
8:45	UW-9	0.0	0.015						
	DW-10	0.0	0.013						
9:00	UW-9	0.0	0.018						
	DW-10	0.0	0.020						
9:15	UW-9	0.0	0.013						
	DW-10	0.0	0.015						
9:30	UW-9	0.0	0.013						
	DW-10	0.0	0.013						
9:45	UW-9	0.0	0.013						
	DW-10	0.0	0.012						
10:00	UW-9	0.0	0.013						
	DW-10	0.0	0.010						
10:15	UW-9	0.0	0.013						
	DW-10	0.0	0.010						
10:30	UW-9	0.0	0.011						
	DW-10	0.0	0.009						
10:45	UW-9	0.0	0.009						
	DW-10	0.0	0.008						

UW-9 North
DW-10 South
UW-5 South
DW-6 North

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: FRIDAY JUNE 4, 2004

[illegible]

**GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA**

DATE: MONDAY JUNE 7, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-5	0.0	0.079	Wind: Temp: 70 ° F Conditions: Mild and warm Loading of trucks and excavation continues.	11:00	UW-5	0.0	0.075	
	DW-6	0.3	0.075			DW-6	0.0	0.079	
7:15	UW-5	0.0	0.091		11:15	UW-5	0.0	0.087	
	DW-6	0.6	0.078			DW-6	0.0	0.077	
7:30	UW-5	0.0	0.093		11:30	UW-5	0.0	0.084	
	DW-6	0.6	0.089			DW-6	0.0	0.078	
7:45	UW-5	0.0	0.093		11:45	UW-5	0.0	0.030	
	DW-6	0.7	0.083			DW-6	0.0	0.075	
8:00	UW-5	0.0	0.077		12:00	UW-5	0.0	0.081	
	DW-6	0.7	0.081			DW-6	0.0	0.112	
8:15	UW-5	0.0	0.077		12:15	UW-5	0.0	0.077	
	DW-6	0.8	0.085			DW-6	0.0	0.076	
8:30	UW-5	0.0	0.080		12:30	UW-5	0.0	0.124	
	DW-6	0.8	0.076			DW-6	0.0	0.082	
8:45	UW-5	0.0	0.095		12:45	UW-5	0.0	0.083	
	DW-6	0.2	0.083			DW-6	0.0	0.100	
9:00	UW-5	0.0	0.085		13:00	UW-5	0.0	0.085	
	DW-6	0.4	0.090			DW-6	0.0	0.101	
9:15	UW-5	0.0	0.089		13:15	UW-5	0.0	0.101	
	DW-6	0.0	0.074			DW-6	0.0	0.078	
9:30	UW-5	0.0	0.120		13:30	UW-5	0.0	0.093	
	DW-6	0.0	0.075			DW-6	0.0	0.093	
9:45	UW-5	0.0	0.078		13:45	UW-5	0.0	0.095	
	DW-6	0.0	0.074			DW-6	0.0	0.085	
10:00	UW-5	0.0	0.074		14:00	UW-5	0.0	0.080	
	DW-6	0.0	0.077			DW-6	0.0	0.097	
10:15	UW-5	0.0	0.073		14:15	UW-5	0.0	0.09	
	DW-6	0.0	0.071			DW-6	0.0	0.09	
10:30	DW-6	0.0	0.075		14:30	UW-5	0.0	0.089	
	DW-6	0.0	0.072			DW-6	0.0	0.089	
10:45	UW-5	0.0	0.075		14:45	UW-5	0.0	0.088	
	DW-6	0.0	0.080			DW-6	0.0	0.086	

UW-5 South
DW-6 North

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: MONDAY JUNE 7, 2004

[illegible]

**GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA**

DATE: TUESDAY JUNE 8, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-3	0.1	0.207	Wind: From West but variable. Temp: 70 ° F Conditions:	11:00	UW-3	0.0	0.14	Limited site activity due to not having trucks
	DW-4	0.1	0.201			DW-4	0.0	0.143	
7:15	UW-3	0.0	0.173		11:15	UW-3	0.0	0.166	
	DW-4	0.1	0.182			DW-4	0.0	0.136	
7:30	UW-3	0.0	0.163		11:30	UW-3	0.0	0.158	
	DW-4	0.3	0.195			DW-4	0.0	0.108	
7:45	UW-3	0.0	0.157		11:45	UW-3	0.0	0.122	
	DW-4	0.3	0.199			DW-4	0.0	0.109	
8:00	UW-3	0.1	0.154		12:00	UW-3	0.0	0.117	
	DW-4	0.0	0.194			DW-4	0.0	0.105	
8:15	UW-3	0.0	0.152		12:15	UW-3	0.0	0.118	
	DW-4	0.1	0.174			DW-4	0.0	0.104	
8:30	UW-3	0.0	0.156		12:30	UW-3	0.0	0.124	
	DW-4	0.0	0.166			DW-4	0.0	0.107	
8:45	UW-3	0.0	0.152		12:45	UW-3	0.0	0.153	
	DW-4	0.0	0.167			DW-4	0.0	0.110	
9:00	UW-3	0.0	0.151		13:00	UW-3	0.0	0.151	
	DW-4	0.0	0.160			DW-4	0.0	0.100	
9:15	UW-3	0.0	0.147		13:15	UW-3	0.0	0.148	
	DW-4	0.0	0.149			DW-4	0.0	0.101	
9:30	UW-3	0.0	0.144		13:30	UW-3	0.0	0.149	
	DW-4	0.0	0.156			DW-4	0.0	0.104	
9:45	UW-3	0.0	0.163		13:45	UW-3	0.0	0.158	
	DW-4	0.0	0.154			DW-4	0.0	0.157	
10:00	UW-3	0.0	0.144		14:00	UW-3	0.0	0.158	
	DW-4	0.0	0.149			DW-4	0.0	0.104	
10:15	UW-3	0.0	0.141						UW-3 West DW-4 East
	DW-4	0.0	0.149						
10:30	UW-3	0.0	0.140						
	DW-4	0.0	0.147						
10:45	UW-3	0.0	0.139						
	DW-4	0.0	0.145						

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: TUESDAY JUNE 8, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY JUNE 9, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-3	0.0	0.165	Wind: From West	11:00	UW-3	0.0	0.128	No site activities. Some backfilling and stockpiling.
	DW-4	0.0	0.178	Temp: 70° F		DW-4	0.0	0.121	
7:15	UW-3	0.0	0.164	Conditions:	11:15	UW-3	0.0	0.080	
	DW-4	0.0	0.169	Continued excavation on site.		DW-4	0.0	0.092	
7:30	UW-3	0.0	0.180		11:30	UW-3	0.0	0.091	
	DW-4	0.0	0.157			DW-4	0.0	0.089	
7:45	UW-3	0.0	0.188		11:45	UW-3	0.0	0.091	
	DW-4	0.0	0.156			DW-4	0.0	0.099	
8:00	UW-3	0.0	0.180		12:00	UW-3	0.0	0.154	
	DW-4	0.0	0.156			DW-4	0.0	0.090	
8:15	UW-3	0.0	0.190		12:15	UW-3	0.0	0.131	
	DW-4	0.0	0.157			DW-4	0.0	0.108	
8:30	UW-3	0.0	0.179		12:30	UW-3	NR	NR	
	DW-4	0.0	0.153			DW-4	NR	NR	
8:45	UW-3	0.0	0.152		12:45	UW-3	NR	NR	
	DW-4	0.0	0.154			DW-4	NR	NR	
9:00	UW-3	NR	0.155		13:00	UW-3	NR	0.090	
	DW-4	NR	0.155			DW-4	NR	0.135	
9:15	UW-3	NR	0.155		13:15	UW-3	NR	0.106	
	DW-4	NR	0.150			DW-4	NR	0.078	
9:30	UW-3	NR	0.139		13:30	UW-3	0.0	0.107	
	DW-4	NR	0.136			DW-4	0.0	0.108	
9:45	UW-3	NR	0.194		13:45	UW-3	0.0	0.145	
	DW-4	NR	0.124			DW-4	0.0	0.095	
10:00	UW-3	0.0	0.111		14:00	UW-3	0.0	0.166	
	DW-4	1.8	0.104			DW-4	0.0	0.076	
10:15	UW-3	0.0	0.112		14:15	UW-3	0.0	0.032	
	DW-4	0.0	0.105			DW-4	0.0	0.029	
10:30	UW-3	0.0	0.094		14:30	UW-3	0.0	0.030	
	DW-4	0.0	0.090			DW-4	0.0	0.031	
10:45	UW-3	0.0	0.089						
	DW-4	0.0	0.103						

UW-3 West
DW-4 East

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: WEDNESDAY JUNE 9, 2004

[illegible]

**GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA**

DATE: THURSDAY JUNE 10, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-3	0.0	0.021	Wind: From North Temp: 56 o F Conditions: Excavation continues.	11:00	UW-3	0.0	0.004	
	DW-4	0.0	0.011			DW-4	0.0	0.008	
7:15	UW-3	0.0	0.023		11:15	UW-3	0.0	0.002	
	DW-4	0.1	0.006			DW-4	0.0	0.000	
7:30	UW-3	0.0	0.005		11:30	UW-3	0.0	0.006	
	DW-4	0.3	0.001			DW-4	0.1	0.003	
7:45	UW-3	0.0	0.007		11:45	UW-3	0.0	0.005	
	DW-4	0.1	0.004			DW-4	0.0	0.003	
8:00	UW-3	0.0	0.004		12:30	UW-3	0.0	0.004	
	DW-4	0.1	0.003			DW-4	0.0	0.006	
8:15	UW-3	0.0	0.021		12:45	UW-3	0.0	0.006	
	DW-4	0.3	0.003			DW-4	0.0	0.005	
8:30	UW-3	0.0	0.006		13:00	UW-3	0.0	0.030	
	DW-4	0.5	0.015			DW-4	0.0	0.017	
8:45	UW-3	0.0	0.005		13:15	UW-3	0.0	0.023	
	DW-4	0.4	0.000			DW-4	0.0	0.013	
9:00	UW-3	0.0	0.008						
	DW-4	0.0	0.000						
9:15	UW-3	0.0	0.008						
	DW-4	0.0	0.003						
9:30	UW-3	0.0	0.006						
	DW-4	0.0	0.001						
9:45	UW-3	0.0	0.001						
	DW-4	0.0	0.025						
10:00	UW-3	0.0	0.005						
	DW-4	0.0	0.003						
10:15	UW-3	0.0	0.008						
	DW-4	0.0	0.006						
10:30	UW-3	0.0	0.005						
	DW-4	0.0	0.007						
10:45	UW-3	0.0	0.005						
	DW-4	0.0	0.005						

UW-5 North
DW-6 South

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTX

DATE: THURSDAY JUNE 10, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: FRIDAY JUNE 11, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-5	0.0	0.012	Wind: Temp: Conditions:	11:00	UW-5	0.0	0.007	
	DW-6	0.0	0.013			DW-6	0.0	0.007	
7:15	UW-5	0.0	0.012		11:15	UW-5	0.0	0.063	
	DW-6	0.0	0.013			DW-6	0.0	0.012	
7:30	UW-5	0.0	0.017		11:30	UW-5	0.0	0.065	
	DW-6	0.0	0.022			DW-6	0.0	0.006	
7:45	UW-5	0.0	0.027		11:45	UW-5	0.0	0.063	
	DW-6	0.0	0.013			DW-6	0.0	0.006	
8:00	UW-5	0.0	0.026		12:00	UW-5	0.0	0.029	
	DW-6	0.0	0.011			DW-6	0.0	0.090	
8:15	UW-5	0.0	0.017		12:15	UW-5	0.0	0.032	
	DW-6	0.0	0.011			DW-6	0.0	0.028	
8:30	UW-5	0.0	0.017		12:30	UW-5	0.0	0.031	
	DW-6	0.0	0.011			DW-6	0.0	0.007	
8:45	UW-5	0.0	0.018		12:45	UW-5	0.0	0.033	
	DW-6	0.0	0.012			DW-6	0.0	0.006	
9:00	UW-5	0.0	0.009		13:00	UW-5	0.0	0.034	
	DW-6	0.0	0.010			DW-6	0.0	0.022	
9:15	UW-5	0.0	0.008		13:15	UW-5	0.0	0.111	
	DW-6	0.0	0.012			DW-6	0.0	0.024	
9:30	UW-5	0.0	0.009		13:30	UW-5	0.0	0.110	
	DW-6	0.0	0.012			DW-6	0	0.009	
9:45	UW-5	0.0	0.008		13:45	UW-5	0	0.011	
	DW-6	0.0	0.010			DW-6	0	0.012	
10:00	UW-5	0.0	0.026						UW-5 North DW-6 South
	DW-6	0.0	0.012						
10:15	UW-5	0.0	0.022						
	DW-6	0.0	0.031						
10:30	UW-5	0.0	0.016						
	DW-6	0.0	0.013						
10:45	UW-5	0.0	0.009						
	DW-6	0.0	0.012						

* First readings of the day are not calculated 15 minute averages

DATE: FRIDAY JUNE 11, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: MONDAY JUNE 14, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-5	0.2	0.046	Wind: Temp: 70° F Conditions: Mild and warm Loading of trucks and excavation continues.	11:00	UW-5	0.0	0.034	
	DW-6	0.3	0.042			DW-6	0.0	0.040	
7:15	UW-5	0.0	0.045		11:15	UW-5	0.0	0.025	
	DW-6	0.1	0.05			DW-6	0.0	0.071	
7:30	UW-5	0.0	0.042		11:30	UW-5	0.0	0.024	
	DW-6	0.1	0.041			DW-6	0.0	0.069	
7:45	UW-5	0.0	0.043		11:45	UW-5	0.0	0.072	
	DW-6	0.0	0.046			DW-6	0.0	0.038	
8:00	UW-5	0.0	0.038		12:00	UW-5	0.0	0.022	
	DW-6	0.1	0.045			DW-6	0.0	0.037	
8:15	UW-5	0.0	0.037		12:15	UW-5	0.0	0.022	
	DW-6	0.0	0.038			DW-6	0.0	0.039	
8:30	UW-5	0.0	0.039		12:30	UW-5	0.0	0.025	
	DW-6	0.0	0.039			DW-6	0.0	0.036	
8:45	UW-5	0.0	0.035		12:45	UW-5	0.0	0.024	
	DW-6	0.0	0.035			DW-6	0.0	0.034	
9:00	UW-5	0.0	0.035		13:00	UW-5	0.0	0.024	
	DW-6	0.0	0.037			DW-6	0.0	0.033	
9:15	UW-5	0.0	0.032		13:15	UW-5	0.0	0.023	
	DW-6	0.0	0.034			DW-6	0.0	0.029	
9:30	UW-5	0.0	0.038		13:30	UW-5	0.0	0.030	
	DW-6	0.0	0.032			DW-6	0.0	0.039	
9:45	UW-5	0.0	0.033		13:45	UW-5	0.0	0.031	
	DW-6	0.0	0.031			DW-6	0.0	0.040	
10:00	UW-5	0.0	0.028		14:00	UW-5	0.0	0.033	
	DW-6	0.0	0.033			DW-6	0.0	0.036	
10:15	UW-5	0.0	0.030		14:15	UW-5	0.0	0.032	
	DW-6	0.0	0.033			DW-6	0.0	0.039	
10:30	UW-5	0.0	0.027		14:30	UW-5	0.0	0.03	
	DW-6	0.0	0.033			DW-6	0.0	0.039	
10:45	UW-5	0.0	0.023						UW-5 South DW-6 North
	DW-6	0.0	0.038						

* First readings of the day are not calculated 15 minute averages

DATE: MONDAY JUNE 14, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY JUNE 15, 2004

Time	Location	VOCs (ppm)	Airborne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airborne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-5	1.1	0.038	Wind: From the North Temp: 68 ° F Conditions: Sunny, warm	11:00	UW-9	0.0	0.031	
	DW-6	0.9	0.023			DW-10	0.5	0.037	
7:15	UW-5	0.0	0.031		11:15	UW-9	0.0	0.033	
	DW-6	0.9	0.025			DW-10	0.5	0.036	
7:30	UW-5	0.0	0.031		11:30	UW-9	0.0	0.035	
	DW-6	0.6	0.028			DW-10	0.5	0.041	
7:45	UW-5	0.0	0.069		11:45	UW-9	0.0	0.031	
	DW-6	0.6	0.029			DW-10	0.5	0.031	
8:00	UW-5	0.0	0.050		12:00	UW-9	0.0	0.029	
	DW-6	0.5	0.025			DW-10	0.3	0.037	
8:15	UW-5	0.0	0.048		12:15	UW-9	0.0	0.029	
	DW-6	0.5	0.024			DW-10	0.3	0.036	
8:30	UW-5	0.0	0.047		12:30	UW-9	0.0	0.031	
	DW-6	0.5	0.024			DW-10	0.4	0.038	
8:45	UW-5	0.0	0.033		12:45	UW-9	0.0	0.030	
	DW-6	0.4	0.030			DW-10	0.4	0.036	
9:00	UW-9	0.0	0.033		13:00	UW-9	0.0	0.036	
	DW-10	0.4	0.030			DW-10	0.4	0.048	
9:15	UW-9	0.0	0.020		13:15	UW-9	0.0	0.038	
	DW-10	0.5	0.033			DW-10	0.4	0.043	
9:30	UW-9	0.0	0.027		13:30	UW-9	0.0	0.037	
	DW-10	0.5	0.034			DW-10	0.4	0.047	
9:45	UW-9	0.0	0.033		13:45	UW-9	0.0	0.075	
	DW-10	0.4	0.036			DW-10	0.0	0.044	
10:00	UW-9	0.0	0.027		14:00	UW-9	0.0	0.039	
	DW-10	0.6	0.026			DW-10	0.0	0.043	
10:15	UW-9	0.0	0.027		14:15	UW-9	0.0	0.035	
	DW-10	0.5	0.026			DW-10	0.0	0.044	
10:30	UW-9	0.0	0.034		14:30	UW-9	0.0	0.044	
	DW-10	0.5	0.035			DW-10	0.0	0.032	
10:45	UW-9	0.0	0.030		14:45	UW-9	0.0	0.037	
	DW-10	0.5	0.036			DW-10	0.0	0.039	

UW-5 North
DW-6 South
UW-9 South
DW-10 North

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: TUESDAY JUNE 15, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY JUNE 16, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-5	0.0	0.039	Wind: From North Temp: 70° F Conditions: Continued excavation on site.	11:00	UW-5	0.0	0.057	Some backfilling and stockpiling
	DW-6	0.0	0.032			DW-6	0.0	0.022	
7:15	UW-5	0.0	0.018		11:15	UW-5	0.0	0.023	
	DW-6	0.0	0.038			DW-6	0.0	0.018	
7:30	UW-5	0.0	0.025		11:30	UW-5	0.0	0.021	
	DW-6	0.0	0.021			DW-6	0.0	0.025	
7:45	UW-5	0.0	0.016		11:45	UW-5	0.0	0.072	
	DW-6	0.0	0.020			DW-6	0.0	0.053	
8:00	UW-5	0.0	0.016		12:00	UW-5	0.0	0.065	
	DW-6	0.0	0.020			DW-6	0.0	0.026	
8:15	UW-5	0.0	0.016		12:15	UW-5	0.0	0.037	
	DW-6	0.0	0.016			DW-6	0.0	0.009	
8:30	UW-5	0.0	0.242		12:30	UW-5	NR	0.034	
	DW-6	0.0	0.087			DW-6	NR	0.045	
8:45	UW-5	0.0	0.029		12:45	UW-5	NR	0.0	
	DW-6	0.0	0.082			DW-6	NR	0.0	
9:00	UW-5	NR	0.032		13:00	UW-5	NR	0.02	
	DW-6	NR	0.016			DW-6	NR	0.087	
9:15	UW-5	NR	0.018		13:15	UW-5	NR	0.049	
	DW-6	NR	0.028			DW-6	NR	0.025	
9:30	UW-5	NR	0.019		13:30	UW-5	0.0	0.059	
	DW-6	NR	0.018			DW-6	0.0	0.041	
9:45	UW-5	NR	0.023		13:45	UW-5	0.0	0.078	
	DW-6	NR	0.018			DW-6	0.0	0.023	
10:00	UW-5	0.0	0.016		14:00	UW-5	0.0	0.042	
	DW-6	1.8	0.017			DW-6	0.0	0.028	
10:15	UW-5	0.0	0.020		14:15	UW-5	0.0	0.032	
	DW-6	0.0	0.017			DW-6	0.0	0.029	
10:30	UW-5	0.0	0.011		14:30	UW-5	0.0	0.030	
	DW-6	0.0	0.020			DW-6	0.0	0.031	
10:45	UW-5	0.0	0.009		14:45	UW-5	0.0	0.023	
	DW-6	0.0	0.021			DW-6	0.0	0.052	

UW-5 North
DW-6 South

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: WEDNESDAY JUNE 16, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY JUNE 17, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-5	0.0	0.038	Wind: From North Temp: 60 ° F Conditions: Excavation continues.	11:00	UW-5	0.0	0.081	
	DW-6	0.0	0.050			DW-6	0.0	0.050	
7:15	UW-5	0.0	0.037		11:15	UW-5	0.0	0.043	
	DW-6	0.1	0.031			DW-6	0.0	0.040	
7:30	UW-5	0.0	0.041		11:30	UW-5	0.0	0.042	
	DW-6	0.3	0.033			DW-6	0.1	0.044	
7:45	UW-5	0.0	0.052		11:45	UW-5	0.0	0.043	
	DW-6	0.1	0.032			DW-6	0.0	0.040	
8:00	UW-5	0.0	0.073		12:30	UW-5	0.0	0.048	
	DW-6	0.1	0.043			DW-6	0.0	0.045	
8:15	UW-5	0.0	0.055		12:45	UW-5	0.0	0.053	
	DW-6	0.3	0.047			DW-6	0.0	0.044	
8:30	UW-5	0.0	0.078		13:00	UW-5	0.0	0.084	
	DW-6	0.5	0.072			DW-6	0.0	0.078	
8:45	UW-5	0.0	0.078		13:15	UW-5	0.0	0.091	
	DW-6	0.4	0.074			DW-6	0.0	0.072	
9:00	UW-5	0.0	0.095		13:30	UW-5	0.0	0.098	
	DW-6	0.0	0.078			DW-6	0.0	0.074	
9:15	UW-5	0.0	0.105		13:45	UW-5	0.0	0.121	
	DW-6	0.0	0.082			DW-6	0.0	0.081	
9:30	UW-5	0.0	0.050		14:00	UW-5	0.0	0.085	
	DW-6	0.0	0.052			DW-6	0.0	0.082	
9:45	UW-5	0.0	0.043		14:15	UW-5	0.0	0.081	
	DW-6	0.0	0.057			DW-6	0.0	0.085	
10:00	UW-5	0.0	0.035		14:30	UW-5	0.0	0.082	
	DW-6	0.0	0.047			DW-6	0.0	0.056	
10:15	UW-5	0.0	0.059		14:45	UW-5	0.0	0.098	
	DW-6	0.0	0.054			DW-6	0.0	0.091	
10:30	UW-5	0.0	0.057		15:00	UW-5	0.0	0.097	
	DW-6	0.0	0.054			DW-6	0.0	0.089	
10:45	UW-5	0.0	0.080		15:15	UW-5	0.0	0.099	
	DW-6	0.0	0.054			DW-6	0.0	0.029	

UW-5 North
DW-6 South

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY JUNE 17, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
15:30	UW-5	0.0	0.078						
	DW-6	0.0	0.077						

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: THURSDAY JUNE 17, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: FRIDAY JUNE 18, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-5	NR	0.082	Wind: Temp: Conditions: Limited site activity. No Speciated BTEX monitoring today	11:00	UW-5	NR	0.074	
	DW-6	NR	0.081			DW-6	NR	0.140	
7:15	UW-5	NR	0.081		11:15	UW-5	NR	0.063	
	DW-6	NR	0.081			DW-6	NR	0.142	
7:30	UW-5	NR	0.079		11:30	UW-5	NR	0.063	
	DW-6	NR	0.081			DW-6	NR	0.006	
7:45	UW-5	NR	0.078		11:45	UW-5	NR	0.063	
	DW-6	NR	0.082			DW-6	NR	0.006	
8:00	UW-5	NR	0.080		12:00	UW-5	NR	0.029	
	DW-6	NR	0.083			DW-6	NR	0.090	
8:15	UW-5	NR	0.086		12:15	UW-5	NR	0.032	
	DW-6	NR	0.087			DW-6	NR	0.028	
8:30	UW-5	NR	0.083		12:30	UW-5	NR	0.031	
	DW-6	NR	0.089			DW-6	NR	0.007	
8:45	UW-5	NR	0.086		12:45	UW-5	NR	0.033	
	DW-6	NR	0.057			DW-6	NR	0.006	
9:00	UW-5	NR	0.085		13:00	UW-5	NR	0.034	
	DW-6	NR	0.077			DW-6	NR	0.022	
9:15	UW-5	NR	0.082		13:15	UW-5	NR	0.111	
	DW-6	NR	0.082			DW-6	NR	0.024	
9:30	UW-5	NR	0.080		13:30	UW-5	NR	0.110	
	DW-6	NR	0.070			DW-6	NR	0.009	
9:45	UW-5	NR	0.079		13:45	UW-5	NR	0.011	
	DW-6	NR	0.071			DW-6	NR	0.012	
10:00	UW-5	NR	0.076						
	DW-6	NR	0.074						
10:15	UW-5	NR	0.073						
	DW-6	NR	0.076						
10:30	UW-5	NR	0.068						
	DW-6	NR	0.069						
10:45	UW-5	NR	0.065						
	DW-6	NR	0.077						

UW-5 North
DW-6 South

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: MONDAY JUNE 21, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-7	0.2	0.016	Wind: Temp: 70° F Conditions: Mild and warm Loading of trucks and excavation continues.	11:00	UW-7	0.0	0.026	
	DW-8	0.3	0.018			DW-8	0.0	0.019	
7:15	UW-7	0.0	0.017		11:15	UW-7	0.0	0.020	
	DW-8	0.1	0.017			DW-8	0.0	0.033	
7:30	UW-7	0.0	0.013		11:30	UW-7	0.0	0.021	
	DW-8	0.1	0.016			DW-8	0.0	0.033	
7:45	UW-7	0.0	0.016		11:45	UW-7	0.0	0.021	
	DW-8	0.0	0.014			DW-8	0.0	0.034	
8:00	UW-7	0.0	0.016		12:00	UW-7	0.0	0.015	
	DW-8	0.1	0.019			DW-8	0.0	0.022	
8:15	UW-7	0.0	0.018		12:15	UW-7	0.0	0.017	
	DW-8	0.0	0.020			DW-8	0.0	0.023	
8:30	UW-7	0.0	0.018		12:30	UW-7	0.0	0.018	
	DW-8	0.0	0.021			DW-8	0.0	0.022	
8:45	UW-7	0.0	0.022		12:45	UW-7	0.0	0.019	
	DW-8	0.0	0.022			DW-8	0.0	0.017	
9:00	UW-7	0.0	0.014		13:00	UW-7	0.0	0.013	
	DW-8	0.0	0.021			DW-8	0.0	0.020	
9:15	UW-7	0.0	0.021		13:15	UW-7	0.0	0.014	
	DW-8	0.0	0.022			DW-8	0.0	0.020	
9:30	UW-7	0.0	0.019		13:30	UW-7	0.0	0.014	
	DW-8	0.0	0.022			DW-8	0.0	0.063	
9:45	UW-7	0.0	0.014		13:45	UW-11	0.0	0.020	Monitoring location moved to extended area west of original excavation.
	DW-8	0.0	0.022			DW-12	0.0	0.063	
10:00	UW-7	0.0	0.014		14:00	UW-11	0.0	0.019	
	DW-8	0.0	0.020			DW-12	0.0	0.040	
10:15	UW-7	0.0	0.014		14:15	UW-11	0.0	0.020	
	DW-8	0.0	0.023			DW-12	0.0	0.037	
10:30	UW-7	0.0	0.015		14:30	UW-11	0.0	0.055	
	DW-8	0.0	0.019			DW-12	0.0	0.069	
10:45	UW-7	0.0	0.023		14:45	UW-11	0.0	0.039	
	DW-8	0.0	0.019			DW-12	0.0	0.090	

UW-7 Southwest
DW-8 Northwest
UW-11 Southwest
DW-12 Northwest

* First readings of the day are not calculated 15 minute averages

DATE: MONDAY JUNE 21, 2004

[illegible]

DATE: MONDAY JUNE 21, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY JUNE 22, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-11	1.1	0.048	Wind: From Southeast Temp: 65 ° F Conditions: Overcast	11:00	UW-11	0.0	0.112	Rain delays air monitoring
	DW-12	0.9	0.048			DW-12	0.5	0.121	
7:15	UW-11	0.0	0.047		11:15	UW-11	0.0	0.114	
	DW-12	0.9	0.042			DW-12	0.5	0.123	
7:30	UW-11	0.0	0.046		11:30	UW-11	0	0.110	
	DW-12	0.6	0.052			DW-12	0.5	0.041	
7:45	UW-11	0.0	0.047		11:45	UW-11	NR	NR	
	DW-12	0.6	0.058			DW-12	NR	NR	
8:00	UW-11	0.0	0.048		12:00	UW-11	NR	NR	
	DW-12	0.5	0.055			DW-12	NR	NR	
8:15	UW-11	0.0	0.047		12:15	UW-11	0.0	0.149	PID loses power. No readings while recharging.
	DW-12	0.5	0.053			DW-12	0.3	0.142	
8:30	UW-11	0.0	0.061		12:30	UW-11	NR	0.150	
	DW-12	0.4	0.053			DW-12	NR	0.136	
8:45	UW-11	0.0	0.060		12:45	UW-11	NR	0.152	
	DW-12	0.4	0.063			DW-12	NR	0.137	
9:00	UW-11	0.0	0.066		13:00	UW-11	NR	0.135	
	DW-12	0.4	0.072			DW-12	NR	0.189	
9:15	UW-11	0.0	0.067		13:15	UW-11	NR	0.139	
	DW-12	0.5	0.082			DW-12	NR	0.182	
9:30	UW-11	0.0	0.068		13:30	UW-11	NR	0.142	
	DW-12	0.5	0.085			DW-12	NR	0.124	
9:45	UW-11	0.0	0.071		13:45	UW-11	NR	0.143	
	DW-12	0.4	0.078			DW-12	NR	0.148	
10:00	UW-11	NR	NR	Rain delays air monitoring.	14:00	UW-11	NR	0.095	
	DW-12	NR	NR			DW-12	NR	0.08	
10:15	UW-11	NR	NR		14:15	UW-11	NR	0.093	
	DW-12	NR	NR			DW-12	NR	0.082	
10:30	UW-11	NR	NR		14:30	UW-11	NR	0.092	
	DW-12	NR	NR			DW-12	NR	0.082	
10:45	UW-11	NR	NR		14:45	UW-11	NR	0.090	
	DW-12	NR	NR			DW-12	NR	0.087	

UW-11 Southwest
DW-12 Northeast

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY JUNE 22, 2004

[illegible]

DATE: TUESDAY JUNE 22, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY JUNE 23, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-13	0.0	0.028	Wind: Fom North Temp: 70 ° F Conditions: Continued excavation on site.	11:00	UW-13	0.0	0.068	Some backfilling and stockpiling.
	DW-14	0.0	0.036			DW-14	0.0	0.014	
7:15	UW-13	0.0	0.018		11:15	UW-13	0.0	0.001	
	DW-14	0.0	0.058			DW-14	0.0	0.010	
7:30	UW-13	0.0	0.019		11:30	UW-13	0.0	0.069	
	DW-14	0.0	0.054			DW-14	0.0	0.075	
7:45	UW-13	0.0	0.019		11:45	UW-13	0.0	0.074	
	DW-14	0.0	0.054			DW-14	0.0	0.014	
8:00	UW-13	0.0	0.017		12:00	UW-13	0.0	0.018	
	DW-14	0.0	0.048			DW-14	0.0	0.018	
8:15	UW-13	0.0	0.017		12:15	UW-13	0.0	0.010	
	DW-14	0.0	0.053			DW-14	0.0	0.033	
8:30	UW-13	0.0	0.020		12:30	UW-13	NR	0.017	
	DW-14	0.0	0.034			DW-14	NR	0.023	
8:45	UW-13	0.0	0.073		12:45	UW-13	NR	0.013	
	DW-14	0.0	0.020			DW-14	NR	0.023	
9:00	UW-13	NR	0.012		13:00	UW-13	NR	0.013	
	DW-14	NR	0.026			DW-14	NR	0.083	
9:15	UW-13	NR	0.013		13:15	UW-13	NR	0.012	
	DW-14	NR	0.019			DW-14	NR	0.080	
9:30	UW-13	NR	0.021		13:30	UW-13	0.0	0.020	
	DW-14	NR	0.032			DW-14	0.0	0.034	
9:45	UW-13	NR	0.013		13:45	UW-13	0.0	0.010	
	DW-14	NR	0.054			DW-14	0.0	0.027	
10:00	UW-13	0.0	0.013		14:00	UW-13	0.0	0.094	
	DW-14	1.8	0.013			DW-14	0.0	0.021	
10:15	UW-13	0.0	0.009		14:15	UW-13	0.0	0.053	
	DW-14	0.0	0.011			DW-14	0.0	0.012	
10:30	UW-13	0.0	0.009		14:30	UW-13	0.0	0.013	
	DW-14	0.0	0.010			DW-14	0.0	0.044	
10:45	UW-13	0.0	0.010		14:45	UW-13	0.0	0.023	
	DW-14	0.0	0.060			DW-14	0.0	0.044	

UW-13 West
DW-14 East

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY JUNE 23, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: WEDNESDAY JUNE 23, 2004

[illegible]

**GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA**

DATE: THURSDAY JUNE 24, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-15	0.0	0.03	Wind: From Southeast Temp: 63 °F Conditions: Excavation continues.	11:00	UW-15	0.0	0.019	
	DW-16	0.0	0.057			DW-16	0.0	0.042	
7:15	UW-15	0.0	0.03		11:15	UW-15	0.0	0.079	
	DW-16	0.1	0.053			DW-16	0.0	0.045	
7:30	UW-15	0.0	0.051		11:30	UW-15	0.0	0.019	
	DW-16	0.3	0.064			DW-16	0.1	0.046	
7:45	UW-15	0.0	0.057		11:45	UW-15	0.0	0.019	
	DW-16	0.1	0.049			DW-16	0.0	0.023	
8:00	UW-15	0.0	0.038		12:30	UW-15	0.0	0.018	
	DW-16	0.1	0.041			DW-16	0.0	0.042	
8:15	UW-15	0.0	0.029		12:45	UW-15	0.0	0.020	
	DW-16	0.3	0.037			DW-16	0.0	0.041	
8:30	UW-15	0.0	0.026		13:00	UW-15	0.0	0.017	
	DW-16	0.5	0.031			DW-16	0.0	0.035	
8:45	UW-15	0.0	0.028		13:15	UW-15	0.0	0.016	
	DW-16	0.4	0.027			DW-16	0.0	0.039	
9:00	UW-15	0.0	0.036		13:30	UW-15	0.0	0.019	
	DW-16	0.0	0.028			DW-16	0.0	0.087	
9:15	UW-15	0.0	0.031		13:45	UW-15	0.0	0.103	
	DW-16	0.0	0.028			DW-16	0.0	0.089	
9:30	UW-15	0.0	0.031		14:00	UW-15	0.0	0.099	
	DW-16	0.0	0.028			DW-16	0.0	0.043	
9:45	UW-15	0.0	0.031		14:15	UW-15	0.0	0.043	
	DW-16	0.0	0.029			DW-16	0.0	0.044	
10:00	UW-15	0.0	0.023		14:30	UW-15	0.0	0.046	
	DW-16	0.0	0.031			DW-16	0.0	0.035	
10:15	UW-15	0.0	0.024		14:45	UW-15	0.0	0.024	
	DW-16	0.0	0.032			DW-16	0.0	0.034	
10:30	UW-15	0.0	0.025		15:00	UW-15	0.0	0.021	
	DW-16	0.0	0.031			DW-16	0.0	0.029	
10:45	UW-15	0.0	0.024		15:15	UW-15	0.0	0.023	
	DW-16	0.0	0.043			DW-16	0.0	0.026	

UW-15 Southwest
DW-16 Northeast

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY JUNE 24, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: THURSDAY JUNE 24, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: FRIDAY JUNE 25, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-17	NR	0.007	Wind: Temp: Conditions: Backfilling activities only. No Speciated BTEX monitoring today	11:00	UW-17	NR	0.012	
	DW-18	NR	0.016			DW-18	NR	0.020	
7:15	UW-17	NR	0.006		11:15	UW-17	NR	0.010	
	DW-18	NR	0.015			DW-18	NR	0.021	
7:30	UW-17	NR	0.007		11:30	UW-17	NR	0.013	
	DW-18	NR	0.018			DW-18	NR	0.016	
7:45	UW-17	NR	0.007		11:45	UW-17	NR	0.063	
	DW-18	NR	0.019			DW-18	NR	0.006	
8:00	UW-17	NR	0.007		12:00	UW-17	NR	0.016	
	DW-18	NR	0.020			DW-18	NR	0.032	
8:15	UW-17	NR	0.006		12:15	UW-17	NR	0.018	
	DW-18	NR	0.011			DW-18	NR	0.039	
8:30	UW-17	NR	0.008		12:30	UW-17	NR	0.034	
	DW-18	NR	0.009			DW-18	NR	0.033	
8:45	UW-17	NR	0.009		12:45	UW-17	NR	0.037	
	DW-18	NR	0.008			DW-18	NR	0.016	
9:00	UW-17	NR	0.010		13:00	UW-17	NR	0.017	
	DW-18	NR	0.011			DW-18	NR	0.035	
9:15	UW-17	NR	0.011		13:15	UW-17	NR	0.012	
	DW-18	NR	0.013			DW-18	NR	0.015	
9:30	UW-17	NR	0.012		13:30	UW-17	NR	0.067	
	DW-18	NR	0.022			DW-18	NR	0.035	
9:45	UW-17	NR	0.007		13:45	UW-17	NR	0.023	
	DW-18	NR	0.014			DW-18	NR	0.028	
10:00	UW-17	NR	0.022						
	DW-18	NR	0.002						
10:15	UW-17	NR	0.024						
	DW-18	NR	0.003						
10:30	UW-17	NR	0.025						
	DW-18	NR	0.011						
10:45	UW-17	NR	0.011						
	DW-18	NR	0.019						

UW-17 North
DW-18 South

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: MONDAY JUNE 28, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-13	0.2	0.016	Wind: Temp: 70 ° F Conditions: Mild and warm. Loading of trucks and excavation continues.	11:00	UW-13	0.0	0.019	
	DW-14	0.3	0.097			DW-14	0.0	0.013	
7:15	UW-13	0.0	0.014		11:15	UW-13	0.0	0.076	
	DW-14	0.1	0.082			DW-14	0.0	0.020	
7:30	UW-13	0.0	0.015		11:30	UW-13	0.0	0.016	
	DW-14	0.1	0.052			DW-14	0.0	0.010	
7:45	UW-13	0.0	0.014		11:45	UW-13	0.0	0.018	
	DW-14	0.0	0.019			DW-14	0.0	0.036	
8:00	UW-13	0.0	0.020		12:00	UW-13	0.0	0.058	
	DW-14	0.1	0.018			DW-14	0.0	0.017	
8:15	UW-13	0.0	0.016		12:15	UW-13	0.0	0.062	
	DW-14	0.0	0.028			DW-14	0.0	0.011	
8:30	UW-13	0.0	0.015		12:30	UW-13	0.0	0.055	
	DW-14	0.0	0.032			DW-14	0.0	0.077	
8:45	UW-13	0.0	0.015		12:45	UW-13	0.0	0.019	
	DW-14	0.0	0.018			DW-14	0.0	0.020	
9:00	UW-13	0.0	0.024		13:00	UW-13	0.0	0.025	
	DW-14	0.0	0.027			DW-14	0.0	0.028	
9:15	UW-13	0.0	0.023		13:15	UW-13	0.0	0.020	
	DW-14	0.0	0.025			DW-14	0.0	0.029	
9:30	UW-13	0.0	0.016		13:30	UW-13	0.0	0.017	
	DW-14	0.0	0.027			DW-14	0.0	0.079	
9:45	UW-13	0.0	0.015		13:45	UW-13	0.0	0.018	
	DW-14	0.0	0.054			DW-14	0.0	0.019	
10:00	UW-13	0.0	0.016		14:00	UW-13	0.0	0.017	
	DW-14	0.0	0.015			DW-14	0.0	0.040	
10:15	UW-13	0.0	0.016		14:15	UW-13	0.0	0.018	
	DW-14	0.0	0.016			DW-14	0.0	0.037	
10:30	UW-13	0.0	0.017		14:30	UW-13	0.0	0.020	
	DW-14	0.0	0.015			DW-14	0.0	0.069	
10:45	UW-13	0.0	0.014		14:45	UW-13	0.0	0.018	
	DW-14	0.0	0.014			DW-14	0.0	0.090	

UW-13 West
DW-14 East

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: MONDAY JUNE 28, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN; REAL-TIME SPECIATED BTEX

DATE: MONDAY JUNE 28, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY JUNE 29, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-13	0.0	0.045	Wind: From West Temp: 67 ° F Conditions:	11:00	UW-13	0.0	0.015	
	DW-14	0.0	0.046			DW-14	0.0	0.035	
7:15	UW-13	0.0	0.046		11:15	UW-13	0.0	0.015	
	DW-14	0.0	0.045			DW-14	0.0	0.068	
7:30	UW-13	0.0	0.045		11:30	UW-13	0.0	0.016	
	DW-14	0.0	0.046			DW-14	0.0	0.064	
7:45	UW-13	0.0	0.044		11:45	UW-13	0.0	0.017	
	DW-14	0.0	0.049			DW-14	0.0	0.025	
8:00	UW-13	0.0	0.030		12:00	UW-13	0.0	0.016	
	DW-14	0.0	0.041			DW-14	0.0	0.050	
8:15	UW-13	0.0	0.032		12:15	UW-13	0.0	0.017	
	DW-14	0.0	0.042			DW-14	0.0	0.064	
8:30	UW-13	0.0	0.033		12:30	UW-13	0.0	0.017	
	DW-14	0.0	0.038			DW-14	0.0	0.035	
8:45	UW-13	0.0	0.031		12:45	UW-13	0.0	0.018	
	DW-14	0.0	0.037			DW-14	0.0	0.019	
9:00	UW-13	0.0	0.030		13:00	UW-13	0.0	0.017	
	DW-14	0.0	0.036			DW-14	0.0	0.028	
9:15	UW-13	0.0	0.030		13:15	UW-13	0.0	0.018	
	DW-14	0.0	0.036			DW-14	0.0	0.182	
9:30	UW-13	0.0	0.036		13:30	UW-13	0.0	0.142	
	DW-14	0.0	0.360			DW-14	0.0	0.124	
9:45	UW-13	0.0	0.010		13:45	UW-13	0.0	0.143	
	DW-14	0.0	0.032			DW-14	0.0	0.148	
10:00	UW-13	0.0	0.025		14:00	UW-13	0.0	0.095	
	DW-14	0.0	0.028			DW-14	0.0	0.080	
10:15	UW-13	0.0	0.025		14:15	UW-13	0.0	0.093	
	DW-14	0.0	0.029			DW-14	0.0	0.082	
10:30	UW-13	0.0	0.026		14:30	UW-13	0.0	0.092	
	DW-14	0.0	0.029			DW-14	0.0	0.082	
10:45	UW-13	0.0	0.015						UW-13 West DW-14 East
	DW-14	0.0	0.037						

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: TUESDAY JUNE 29, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY JUNE 30, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-17	0.0	0.034	Wind: From North Temp: 68 ° F Conditions: Continued excavation on site.	11:00	UW-17	0.0	0.036	
	DW-18	0.0	0.095			DW-18	0.0	0.096	
7:15	UW-17	0.0	0.037		11:15	UW-17	0.0	0.041	
	DW-18	0.0	0.104			DW-18	0.0	0.104	
7:30	UW-17	0.0	0.035		11:30	UW-17	0.0	0.035	
	DW-18	0.0	0.067			DW-18	0.0	0.094	
7:45	UW-17	0.0	0.033		11:45	UW-17	0.0	0.044	
	DW-18	0.0	0.082			DW-18	0.0	0.083	
8:00	UW-17	0.0	0.032		12:00	UW-17	0.0	0.043	
	DW-18	0.0	0.081			DW-18	0.0	0.043	
8:15	UW-17	0.0	0.032		12:15	UW-17	0.0	0.037	
	DW-18	0.0	0.082			DW-18	0.0	0.058	
8:30	UW-17	0.0	0.033		12:30	UW-17	NR	0.072	
	DW-18	0.0	0.109			DW-18	NR	0.080	
8:45	UW-17	0.0	0.034		12:45	UW-17	NR	0.020	
	DW-18	0.0	0.109			DW-18	NR	0.020	
9:00	UW-17	NR	0.036		13:00	UW-17	NR	0.032	
	DW-18	NR	0.109			DW-18	NR	0.087	
9:15	UW-17	NR	0.057		13:15	UW-17	NR	0.031	
	DW-18	NR	0.110			DW-18	NR	0.073	
9:30	UW-17	NR	0.032		13:30	UW-17	0.0	0.042	
	DW-18	NR	0.108			DW-18	0.0	0.075	
9:45	UW-17	NR	0.033		13:45	UW-17	0.0	0.047	
	DW-18	NR	0.107			DW-18	0.0	0.016	
10:00	UW-17	0.0	0.032		14:00	UW-17	0.0	0.094	
	DW-18	1.8	0.102			DW-18	0.0	0.036	
10:15	UW-17	0.0	0.032		14:15	UW-17	0.0	0.052	
	DW-18	0.0	0.098			DW-18	0.0	0.062	
10:30	UW-17	0.0	0.036		14:30	UW-17	0.0	0.063	
	DW-18	0.0	0.033						
10:45	UW-17	0.0	0.035						
	DW-18	0.0	0.103						

UW-17 North
DW-18 South

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: WEDNESDAY JUNE 30, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY JULY 1, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-13	0.0	0.048	Wind: From North Temp: 70 ° F Conditions: Excavation continue. Opening of holes with Haz. Waste.	11:00	UW-13	0.0	0.019	
	DW-14	0.0	0.048			DW-14	0.0	0.042	
7:15	UW-13	0.0	0.079		11:15	UW-13	0.0	0.079	
	DW-14	0.1	0.050			DW-14	0.0	0.045	
7:30	UW-13	0.0	0.080		11:30	UW-13	0.0	0.019	
	DW-14	0.3	0.049			DW-14	0.1	0.046	
7:45	UW-13	0.0	0.084		11:45	UW-13	0.0	0.019	
	DW-14	0.1	0.048			DW-14	0.0	0.023	
8:00	UW-13	0.0	0.092		12:30	UW-13	0.0	0.018	
	DW-14	0.1	0.048			DW-14	0.0	0.042	
8:15	UW-13	0.0	0.095		12:45	UW-13	0.0	0.020	
	DW-14	0.3	0.048			DW-14	0.0	0.041	
8:30	UW-13	0.0	0.097		13:00	UW-13	0.0	0.017	
	DW-14	0.5	0.048			DW-14	0.0	0.035	
8:45	UW-13	0.0	0.098		13:15	UW-13	0.0	0.016	
	DW-14	0.4	0.048			DW-14	0.0	0.039	
9:00	UW-13	0.0	0.094		13:30	UW-13	0.0	0.019	
	DW-14	0.0	0.053			DW-14	0.0	0.087	
9:15	UW-13	0.0	0.134		13:45	UW-13	0.0	0.103	
	DW-14	0.0	0.081			DW-14	0.0	0.089	
9:30	UW-13	0.0	0.132		14:00	UW-13	0.0	0.099	
	DW-14	0.0	0.059			DW-14	0.0	0.043	
9:45	UW-13	0.0	0.122		14:15	UW-13	0.0	0.043	
	DW-14	0.0	0.054			DW-14	0.0	0.044	
10:00	UW-13	0.0	0.063		14:30	UW-13	0.0	0.046	
	DW-14	0.0	0.047			DW-14	0.0	0.035	
10:15	UW-13	0.0	0.024		14:45	UW-13	0.0	0.024	
	DW-14	0.0	0.032			DW-14	0.0	0.034	
10:30	UW-13	0.0	0.025		15:00	UW-13	0.0	0.021	
	DW-14	0.0	0.031			DW-14	0.0	0.029	
10:45	UW-13	0.0	0.024		15:15	UW-13	0.0	0.023	
	DW-14	0.0	0.043			DW-14	0.0	0.026	

UW-15 Southwest
DW-16 Northeast

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: THURSDAY JULY 1, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: THURSDAY JULY 1, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY JULY 6, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-9	NR	0.012	Wind: From North Temp: 63 ° F	11:00	UW-9	NR	0.041	
	DW-10	NR	0.092			DW-10	NR	0.078	
7:15	UW-9	NR	0.011	Conditions:	11:15	UW-9	NR	0.026	
	DW-10	NR	0.072			DW-10	NR	0.073	
7:30	UW-9	NR	0.016	No Speciated BTEX monitoring today Limit site activity	11:30	UW-9	NR	0.032	
	DW-10	NR	0.110			DW-10	NR	0.035	
7:45	UW-9	NR	0.011		11:45	UW-9	NR	0.027	
	DW-10	NR	0.111			DW-10	NR	0.079	
8:00	UW-9	NR	0.011		12:00	UW-9	NR	0.049	
	DW-10	NR	0.090			DW-10	NR	0.103	
8:15	UW-9	NR	0.012		12:15	UW-9	NR	0.052	
	DW-10	NR	0.067			DW-10	NR	0.093	
8:30	UW-9	NR	0.012		12:30	UW-9	NR	0.042	
	DW-10	NR	0.056			DW-10	NR	0.099	
8:45	UW-9	NR	0.017		12:45	UW-9	NR	0.037	
	DW-10	NR	0.069			DW-10	NR	0.082	
9:00	UW-9	NR	0.010		13:00	UW-9	NR	0.112	
	DW-10	NR	0.072			DW-10	NR	0.020	
9:15	UW-9	NR	0.033		13:15	UW-9	NR	0.072	
	DW-10	NR	0.071			DW-10	NR	0.026	
9:30	UW-9	NR	0.032		13:30	UW-9	NR	0.072	
	DW-10	NR	0.059			DW-10	NR	0.027	
9:45	UW-9	NR	0.033		13:45	UW-9	NR	0.094	
	DW-10	NR	0.012			DW-10	NR	0.097	
10:00	UW-9	NR	0.013		14:00	UW-9	NR	0.011	
	DW-10	NR	0.101			DW-10	NR	0.042	
10:15	UW-9	NR	0.014		14:15	UW-9	NR	0.042	
	DW-10	NR	0.102			DW-10	NR	0.117	
10:30	UW-9	NR	0.016		14:30	UW-9	NR	0.043	
	DW-10	NR	0.117			DW-10	NR	0.020	
10:45	UW-9	NR	0.026		14:45	UW-9	NR	0.127	
	DW-10	NR	0.028			DW-10	NR	0.021	

UW-9 North
DW-10 South

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY JULY 7, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-17	0.0	0.058	Wind: From North Temp: 68 ° F	11:00	UW-17	0.0	0.093	
	DW-18	0.0	0.115			DW-18	0.0	0.025	
7:15	UW-17	0.0	0.062	Conditions: Continued excavation on site.	11:15	UW-17	0.0	0.088	
	DW-18	0.0	0.105			DW-18	0.0	0.100	
7:30	UW-17	0.0	0.052		11:30	UW-17	0.0	0.096	
	DW-18	0.0	0.106			DW-18	0.0	0.079	
7:45	UW-17	0.0	0.052		11:45	UW-17	0.0	0.095	
	DW-18	0.0	0.131			DW-18	0.0	0.077	
8:00	UW-17	0.0	0.051		12:00	UW-17	0.0	0.094	
	DW-18	0.0	0.081			DW-18	0.0	0.105	
8:15	UW-17	0.0	0.051		12:15	UW-17	0.0	0.102	
	DW-18	0.0	0.105			DW-18	0.0	0.109	
8:30	UW-17	0.0	0.051		12:30	UW-17	NR	0.100	
	DW-18	0.0	0.122			DW-18	NR	0.113	
8:45	UW-17	0.0	0.078		12:45	UW-17	NR	0.030	
	DW-18	0.0	0.074			DW-18	NR	0.083	
9:00	UW-17	NR	0.079		13:00	UW-17	NR	0.073	
	DW-18	NR	0.024			DW-18	NR	0.010	
9:15	UW-17	NR	0.074		13:15	UW-17	NR	0.076	
	DW-18	NR	0.066			DW-18	NR	0.101	
9:30	UW-17	NR	0.072		13:30	UW-17	0.0	0.030	
	DW-18	NR	0.053			DW-18	0.0	0.000	
9:45	UW-17	NR	0.101		13:45	UW-17	0.0	0.164	
	DW-18	NR	0.103			DW-18	0.0	0.124	
10:00	UW-17	0.0	0.086		14:00	UW-17	0.0	0.109	
	DW-18	1.8	0.093			DW-18	0.0	0.042	
10:15	UW-17	0.0	0.084		14:15	UW-17	0.0	0.100	
	DW-18	0.0	0.093			DW-18	0.0	0.041	
10:30	UW-17	0.0	0.099						UW-17 North DW-18 South
	DW-18	0.0	0.102						
10:45	UW-17	0.0	0.111						
	DW-18	0.0	0.023						

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: WEDNESDAY JULY 7, 2004

[illegible]

**GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA**

DATE: THURSDAY JULY 8, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-13	0.0	0.050	Wind: From North Temp: 70 °F Conditions:	11:00	UW-13	0.0	0.110	
	DW-14	0.0	0.063			DW-14	0.0	0.039	
7:15	UW-13	0.0	0.035		11:15	UW-13	0.0	0.109	
	DW-14	0.1	0.065			DW-14	0.0	0.033	
7:30	UW-13	0.0	0.042		11:30	UW-13	0.0	0.083	
	DW-14	0.3	0.067			DW-14	0.1	0.034	
7:45	UW-13	0.0	0.056		11:45	UW-13	0.0	0.098	
	DW-14	0.1	0.070			DW-14	0.0	0.031	
8:00	UW-13	0.0	0.093		12:00	UW-13	0.0	0.095	
	DW-14	0.1	0.051			DW-14	0.0	0.048	
8:15	UW-13	0.0	0.072		12:15	UW-13	0.0	0.078	
	DW-14	0.3	0.054			DW-14	0.0	0.039	
8:30	UW-13	0.0	0.069		12:30	UW-13	0.0	0.045	
	DW-14	0.5	0.053			DW-14	0.0	0.042	
8:45	UW-13	0.0	0.111		12:45	UW-13	0.0	0.020	
	DW-14	0.4	0.046			DW-14	0.0	0.041	
9:00	UW-13	0.0	0.099		13:00	UW-13	0.0	0.032	
	DW-14	0.0	0.048			DW-14	0.0	0.043	
9:15	UW-13	0.0	0.031		13:15	UW-13	0.0	0.028	
	DW-14	0.0	0.045			DW-14	0.0	0.045	
9:30	UW-13	0.0	0.037		13:30	UW-13	0.0	0.019	
	DW-14	0.0	0.044			DW-14	0.0	0.087	
9:45	UW-13	0.0	0.072		13:45	UW-13	0.0	0.103	
	DW-14	0.0	0.043			DW-14	0.0	0.089	
10:00	UW-13	0.0	0.046		14:00	UW-13	0.0	0.099	
	DW-14	0.0	0.041			DW-14	0.0	0.043	
10:15	UW-13	0.0	0.018		14:15	UW-13	0.0	0.043	
	DW-14	0.0	0.035			DW-14	0.0	0.044	
10:30	UW-13	0.0	0.004		14:30	UW-13	0.0	0.046	
	DW-14	0.0	0.038			DW-14	0.0	0.035	
10:45	UW-13	0.0	0.120		14:45	UW-13	0.0	0.024	
	DW-14	0.0	0.033			DW-14	0.0	0.034	

UW-15 Southwest
DW-16 Northeast

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: THURSDAY JULY 8, 2004

[illegible]

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: FRIDAY JULY 9, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-17	0.0	0.072	Wind: Temp: Conditions: Backfilling activity only No Speciated BTEX monitoring today	11:00	UW-17	0.0	0.005	
	DW-18	0.0	0.079			DW-18	0.0	0.015	
7:15	UW-17	0.0	0.074		11:15	UW-17	0.0	0.004	
	DW-18	0.0	0.020			DW-18	0.0	0.013	
7:30	UW-17	0.0	0.069		11:30	UW-17	0.0	0.004	
	DW-18	0.0	0.020			DW-18	0.0	0.012	
7:45	UW-17	0.0	0.053		11:45	UW-17	0.0	0.004	
	DW-18	0.0	0.017			DW-18	0.0	0.073	
8:00	UW-17	0.0	0.010		12:00	UW-17	0.0	0.005	
	DW-18	0.0	0.016			DW-18	0.0	0.014	
8:15	UW-17	0.0	0.101		12:15	UW-17	0.0	0.004	
	DW-18	0.0	0.018			DW-18	0.0	0.014	
8:30	UW-17	0.0	0.050		12:30	UW-17	0.0	0.006	
	DW-18	0.0	0.020			DW-18	0.0	0.014	
8:45	UW-17	0.0	0.057		12:45	UW-17	0.0	0.002	
	DW-18	0.0	0.021			DW-18	0.0	0.016	
9:00	UW-17	0.0	0.059		13:00	UW-17	0.0	0.009	
	DW-18	0.0	0.027			DW-18	0.0	0.017	
9:15	UW-17	0.0	0.119		13:15	UW-17	0.0	0.002	
	DW-18	0.0	0.019			DW-18	0.0	0.015	
9:30	UW-17	0.0	0.111						
	DW-18	0.0	0.020						
9:45	UW-17	0.0	0.092						
	DW-18	0.0	0.026						
10:00	UW-17	0.0	0.005						
	DW-18	0.0	0.020						
10:15	UW-17	0.0	0.005						
	DW-18	0.0	0.021						
10:30	UW-17	0.0	0.005						
	DW-18	0.0	0.023						
10:45	UW-17	0.0	0.005						
	DW-18	0.0	0.022						

UW-17 North
DW-18 South

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: MONDAY JULY 12, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-5	0.2	0.046	Wind: Temp: 70° F Conditions: Mild and warm. Loading of trucks and excavation continues.	11:00	UW-5	0.0	0.034	
	DW-6	0.3	0.042			DW-6	0.0	0.040	
7:15	UW-5	0.0	0.045		11:15	UW-5	0.0	0.025	
	DW-6	0.1	0.05			DW-6	0.0	0.071	
7:30	UW-5	0.0	0.042		11:30	UW-5	0.0	0.024	
	DW-6	0.1	0.041			DW-6	0.0	0.069	
7:45	UW-5	0.0	0.043		11:45	UW-5	0.0	0.072	
	DW-6	0.0	0.046			DW-6	0.0	0.038	
8:00	UW-5	0.0	0.038		12:00	UW-5	0.0	0.022	
	DW-6	0.1	0.045			DW-6	0.0	0.037	
8:15	UW-5	0.0	0.037		12:15	UW-5	0.0	0.022	
	DW-6	0.0	0.038			DW-6	0.0	0.039	
8:30	UW-5	0.0	0.039		12:30	UW-5	0.0	0.025	
	DW-6	0.0	0.039			DW-6	0.0	0.036	
8:45	UW-5	0.0	0.035		12:45	UW-5	0.0	0.024	
	DW-6	0.0	0.035			DW-6	0.0	0.034	
9:00	UW-5	0.0	0.035		13:00	UW-5	0.0	0.024	
	DW-6	0.0	0.037			DW-6	0.0	0.033	
9:15	UW-5	0.0	0.032		13:15	UW-5	0.0	0.023	
	DW-6	0.0	0.034			DW-6	0.0	0.029	
9:30	UW-5	0.0	0.038		13:30	UW-5	0.0	0.030	
	DW-6	0.0	0.032			DW-6	0.0	0.039	
9:45	UW-5	0.0	0.033		13:45	UW-5	0.0	0.031	
	DW-6	0.0	0.031			DW-6	0.0	0.040	
10:00	UW-5	0.0	0.028		14:00	UW-5	0.0	0.033	
	DW-6	0.0	0.033			DW-6	0.0	0.036	
10:15	UW-5	0.0	0.030		14:15	UW-5	0.0	0.032	
	DW-6	0.0	0.033			DW-6	0.0	0.039	
10:30	UW-5	0.0	0.027		14:30	UW-5	0.0	0.03	
	DW-6	0.0	0.033			DW-6	0.0	0.039	
10:45	UW-5	0.0	0.023						
	DW-6	0.0	0.038						

UW-5 South
DW-6 North

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN: REAL-TIME SPECIATED BTEX

DATE: MONDAY JULY 12, 2004

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GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY JULY 13, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-17	NR	0.002	Wind: From the North Temp: 68° F Conditions: Sunny, warm.	11:00	UW-17	NR	0.002	
	DW-18	NR	0.019			DW-18	NR	0.008	
7:15	UW-17	NR	0.002		11:15	UW-17	NR	0.002	
	DW-18	NR	0.018	DW-18		NR	0.007		
7:30	UW-17	NR	0.002	11:30	UW-17	NR	0.002		
	DW-18	NR	0.017		DW-18	NR	0.007		
7:45	UW-17	NR	0.003	11:45	UW-17	NR	0.002		
	DW-18	NR	0.021		DW-18	NR	0.007		
8:00	UW-17	NR	0.003	12:00	UW-17	NR	0.005		
	DW-18	NR	0.007		DW-18	NR	0.016		
8:15	UW-17	NR	0.004	12:15	UW-17	NR	0.004		
	DW-18	NR	0.007		DW-18	NR	0.015		
8:30	UW-17	NR	0.005	12:30	UW-17	NR	0.005		
	DW-18	NR	0.006		DW-18	NR	0.013		
8:45	UW-17	NR	0.007	12:45	UW-17	NR	0.005		
	DW-18	NR	0.006		DW-18	NR	0.014		
9:00	UW-17	NR	0.005	13:00	UW-17	NR	0.006		
	DW-18	NR	0.006		DW-18	NR	0.017		
9:15	UW-17	NR	0.005	13:15	UW-17	NR	0.006		
	DW-18	NR	0.006		DW-18	NR	0.017		
9:30	UW-17	NR	0.005	13:30	UW-17	NR	0.005		
	DW-18	NR	0.006		DW-18	NR	0.017		
9:45	UW-17	NR	0.004	13:45	UW-17	NR	0.005		
	DW-18	NR	0.006		DW-18	NR	0.026		
10:00	UW-17	NR	0.003	14:00	UW-17	NR	0.010		
	DW-18	NR	0.006		DW-18	NR	0.025		
10:15	UW-17	NR	0.003	14:15	UW-17	NR	0.011		
	DW-18	NR	0.009		DW-18	NR	0.027		
10:30	UW-17	NR	0.003	14:30	UW-17	NR	0.010		
	DW-18	NR	0.010		DW-18	NR	0.027		
10:45	UW-17	NR	0.002	14:45	UW-17	NR	0.010		
	DW-18	NR	0.010		DW-18	NR	0.026		
					End of site activities.				

UW-17 North
DW-18 South

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: TUESDAY JULY 13, 2004

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GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: WEDNESDAY JULY 14, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
				Wind:					
				Temp:					
				Conditions:					
	RAIN PREVENTS MONITORING			No Speciated BTEX monitoring today					

* First readings of the day are not calculated 15 minute averages

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: JULY 15, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00	UW-17	NR	0.027	Wind: From North Temp: 60 ° F Conditions: Excavation continues. No Speciated BTEX monitoring today	11:00	UW-17	NR	0.026	
	DW-18	NR	0.006			DW-18	NR	0.006	
7:15	UW-17	NR	0.027		11:15	UW-17	NR	0.025	
	DW-18	NR	0.007			DW-18	NR	0.007	
7:30	UW-17	NR	0.026		11:30	UW-17	NR	0.027	
	DW-18	NR	0.006			DW-18	NR	0.008	
7:45	UW-17	NR	0.024		11:45	UW-17	NR	0.026	
	DW-18	NR	0.006			DW-18	NR	0.006	
8:00	UW-17	NR	0.023		12:00	UW-17	NR	0.026	
	DW-18	NR	0.010			DW-18	NR	0.006	
8:15	UW-17	NR	0.020		12:15	UW-17	NR	0.027	
	DW-18	NR	0.008			DW-18	NR	0.005	
8:30	UW-17	NR	0.021		12:30	UW-17	NR	0.028	
	DW-18	NR	0.009			DW-18	NR	0.007	
8:45	UW-17	NR	0.020		13:15	UW-17	NR	0.006	
	DW-18	NR	0.011			DW-18	NR	0.006	
9:00	UW-17	NR	0.014		13:30	UW-17	NR	0.016	
	DW-18	NR	0.003			DW-18	NR	0.004	
9:15	UW-17	NR	0.015		13:45	UW-17	NR	0.015	
	DW-18	NR	0.003			DW-18	NR	0.003	
9:30	UW-17	NR	0.012		14:00	UW-17	NR	0.015	
	DW-18	NR	0.003			DW-18	NR	0.003	
9:45	UW-17	NR	0.008		14:15	UW-17	NR	0.017	
	DW-18	NR	0.003			DW-18	NR	0.004	
10:00	UW-17	NR	0.008		14:30	UW-17	NR	0.019	
	DW-18	NR	0.023			DW-18	NR	0.003	
10:15	UW-17	NR	0.010		14:45	UW-17	NR	0.017	
	DW-18	NR	0.029			DW-18	NR	0.003	
10:30	UW-17	NR	0.010						
	DW-18	NR	0.032						
10:45	UW-17	NR	0.017						
	DW-18	NR	0.007						

UW-17 North
DW-18 South

GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
2004 INTERIM REMEDIAL MEASURES REMEDIATION PROJECT
AIR-QUALITY MONITORING PLAN - REAL-TIME AIR-MONITORING DATA

DATE: JULY 15, 2004

Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities	Time	Location	VOCs (ppm)	Airbourne Particulate (mg/m3)	Comment/Activities
7:00 *	UW-17	NR	0.027	Wind: From North	11:00	UW-17	NR	0.026	
	DW-18	NR	0.006			DW-18	NR	0.006	
7:15	UW-17	NR	0.027	Temp: 60 ° F	11:15	UW-17	NR	0.025	
	DW-18	NR	0.007			DW-18	NR	0.007	
7:30	UW-17	NR	0.026	Conditions: Excavation continues.	11:30	UW-17	NR	0.027	
	DW-18	NR	0.006			DW-18	NR	0.008	
7:45	UW-17	NR	0.024	No Speciated BTEX monitoring today	11:45	UW-17	NR	0.026	
	DW-18	NR	0.006			DW-18	NR	0.006	
8:00	UW-17	NR	0.023		12:00	UW-17	NR	0.026	
	DW-18	NR	0.010			DW-18	NR	0.006	
8:15	UW-17	NR	0.020		12:15	UW-17	NR	0.027	
	DW-18	NR	0.008			DW-18	NR	0.005	
8:30	UW-17	NR	0.021		12:30	UW-17	NR	0.028	
	DW-18	NR	0.009			DW-18	NR	0.007	
8:45	UW-17	NR	0.020		13:15	UW-17	NR	0.006	
	DW-18	NR	0.011			DW-18	NR	0.006	
9:00	UW-17	NR	0.014		13:30	UW-17	NR	0.016	
	DW-18	NR	0.003			DW-18	NR	0.004	
9:15	UW-17	NR	0.015		13:45	UW-17	NR	0.015	
	DW-18	NR	0.003			DW-18	NR	0.003	
9:30	UW-17	NR	0.012		14:00	UW-17	NR	0.015	
	DW-18	NR	0.003			DW-18	NR	0.003	
9:45	UW-17	NR	0.008		14:15	UW-17	NR	0.017	
	DW-18	NR	0.003			DW-18	NR	0.004	
10:00	UW-17	NR	0.008		14:30	UW-17	NR	0.019	
	DW-18	NR	0.023			DW-18	NR	0.003	
10:15	UW-17	NR	0.010		14:45	UW-17	NR	0.017	
	DW-18	NR	0.029			DW-18	NR	0.003	
10:30	UW-17	NR	0.010						
	DW-18	NR	0.032						
10:45	UW-17	NR	0.017						
	DW-18	NR	0.007						

UW-17 North
DW-18 South

* First readings of the day are not calculated 15 minute averages

APPENDIX E

ANALYTICAL RESULTS FOR ENDPOINT CONFIRMATION SAMPLES

**GENEVA/BORDER CITY FORMER MANUFACTURED GAS PLANT SITE
RESULTS OF EXCAVATION ENDPOINT CONFIRMATION SAMPLING
2004 INTERIM REMEDIAL MEASURES PROJECT**

Map NO.	Sample ID	Northing	Easting	Depth Below Grade (ft)	Benzene (ppm)	Naphthalene (ppm)	Total PAHs (ppm)	Total cPAHs (ppm)
1	GBVICR0402	1048559	720479	3.5	0.006	4	69.5	25.5
2	GBVISW0403	1048555	720485	3.5	0.006	4.4	73.4	28
3	GBVICR0404	1048549	720426	3.5	0.001	0.4	7.2	2.8
4	GBVISW0405	1048542	720425	3.5	0.006	4.4	170.7	96.7
5	GBVICR0406	1048538	720379	3.5	0.006	0.39	6.8	2.7
6	GBVICR0407	1048532	720381	3.5	0.006	2	36	14
7	GBVICR0408	1048532	720330	3.5	0.002	0.39	14.9	2.7
8	BCVISW0409	1048521	720330	3.5	0.006	4.4	82.2	30.5
9	BCVIWW0410	1048517	720295	3.5	0.006	8	144	56
10	BCVICR0411	1048519	720304	3.5	0.006	0.41	7.4	2.9
11	BCVICR0412	1048582	720473	3.5	0.7	0.9	7.7	2.8
12	BCVICR0413	1048608	720467	3.5	0.65	0.9	7.7	2.4
13	BCVICR0414	1048597	720416	3.5	0.55	1.7	8.7	2.9
14	BCVICR0415	1048588	720368	3.5	0.99	3.8	10.5	2.9
15	BCVICR0416	1048575	720319	3.5	0.006	0.4	7	2.8
16	BCVICR0417	1048625	720308	3.5	0.006	0.4	7.2	2.8
17	BCVICR0418	1048636	720357	3.5	0.006	0.4	7.2	2.8
18	BCVICR0419	1048648	720406	3.5	0.006	0.62	11.2	4.3
19	BCVICR0420	1048656	720455	3.5	0.007	0.39	7	2.7
20	BCVICR0421	1048612	720458	10	1.5	3.7	22.2	4.6
21	BCVXCR0422	1048609	720444	10	1.2	0.66	7.6	2.9
22	BCVIEW0423-Q	1048559	720505	3.5	0.006	4.3	111.6	48.2
23	BCVIEW0424-Q	1048610	720494	3.5	0.007	49	1742	667
24	BCVIWC0425-Q	1048513	720253	3	0.006	0.41	7.4	2.9
25	BCVIWC0426-Q	1048509	720202	3	0.006	0.4	7.2	2.8
26	BCVIWC0427-Q	1048503	720153	3	0.006	0.44	7.9	3.1
27	BCVIWC0428-Q	1048489	720101	3	0.006	0.41	7.4	2.9
28	BCVLXX0429-Q	1048481	720084	3	0.006	0.41	7.4	2.9
29	BCVLWW0430-Q	1048486	720074	3	0.006	0.41	7.4	2.9
30	BCVLXX0431-Q	1048536	720080	3	0.006	0.42	7.6	2.9
31	BCVLWW0432-Q	1048522	720047	3	0.006	0.37	6.7	2.6
32	BCVLXX0433-Q	1048556	720143	3	0.006	0.38	6.8	2.7
33	BCVLEW0434-Q	1048663	720482	3	0.005	3.9	263.8	108.7
34	BCVLXX0435-Q	1048569	720189	3	0.006	0.39	7	2.7
35	BCVINW0436-Q	1048547	720028	3	0.006	1.9	28	10.4
36	BCVINW0437-Q	1048567	720067	3	0.007	2.1	52.1	25.4
37	BCVINW0438-Q	1048589	720134	3	0.006	2	84	40.7
38	BCVINW0439-Q	1048605	720177	3	0.006	0.42	7.6	2.9
39	BCVIXX0440	1048585	720244	3	0.006	0.41	6.9	2.6
40	BCV1XX441	1048592	720296	3.5	0.006	0.4	7.2	2.8
41	BCVINW0442	1048679	720221	2.5	0.006	4.1	63.1	21.7
42	BCVIXX0443	1048664	720239	2.5	0.006	0.39	7	2.7
43	BCVINW0444	1048704	720268	2.5	0.006	4.2	73.2	29.4
44	BCVIXX0448	1048627	720226	3	0.006	0.39	7	2.7
45	BCVIXX0449-Q	1048689	720293	2.5	0.006	0.39	7	2.7
46	BCVINW0450-Q	1048718	720295	2.5	0.006	0.38	6.1	2
47	BCVIXX0452	1048701	720345	2.5	0.006	0.38	6.8	2.7
48	BCVINW0453-Q	1048739	720337	2.5	0.005	1.8	96.1	32.1
49	BCVIXX0455	1048717	720387	2.5	0.01	1.5	34.1	32.1
50	BCVIEW0456	1048764	720385	2.5	0.006	3.3	105.2	50.3
51	BCVIXX0458-Q	1048534	720189	12	180	3200	16060	5880

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

GEVIEW0401

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4479901Sample wt/vol: 5.00 (g/mL) GLab File ID: F6673.RRLevel: (low/med) LOWDate Samp/Recv: 05/19/2004 05/21/2004% Moisture: not dec. 18.2 Heated Purge: YDate Analyzed: 05/23/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

28/567

Client No.

GBVIEW0401

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479901DL

Sample wt/vol: 30.08 (g/mL) G

Lab File ID: X60492.RR

Level: (low/med) LOW

Date Samp/Recv: 05/19/2004 05/21/2004

% Moisture: 17.2 decanted: (Y/N) N

Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/25/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	40000	U
208-96-8-----	ACENAPHTHYLENE	40000	U
120-12-7-----	ANTHRACENE	40000	U
56-55-3-----	BENZO (A) ANTHRACENE	60000	D
205-99-2-----	BENZO (B) FLUORANTHENE	54000	D
207-08-9-----	BENZO (K) FLUORANTHENE	39000	DJ
191-24-2-----	BENZO (GHI) PERYLENE	40000	U
50-32-8-----	BENZO (A) PYRENE	54000	D
218-01-9-----	CHRYSENE	56000	D
53-70-3-----	DIBENZO (A,H) ANTHRACENE	40000	U
206-44-0-----	FLUORANTHENE	120000	D
86-73-7-----	FLUORENE	40000	U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	40000	U
91-57-6-----	2-METHYLNAPHTHALENE	40000	U
91-20-3-----	NAPHTHALENE	40000	U
85-01-8-----	PHENANTHRENE	28000	DJ
129-00-0-----	PYRENE	86000	D
132-64-9-----	DIBENZOFURAN	40000	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

14/567

Client No.

GEVICR0402

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479902

Sample wt/vol: 5.27 (g/mL) G

Lab File ID: F6674.RR

Level: (low/med) LOW

Date Samp/Recv: 05/19/2004 05/21/2004

% Moisture: not dec. 19.8 Heated Purge: Y

Date Analyzed: 05/23/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE	6		U
100-41-4-----	ETHYLBENZENE	6		U
108-88-3-----	TOLUENE	6		U
1330-20-7-----	TOTAL XYLENES	18		U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

23/567

Client No.

GBVICR0402

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479902

Sample wt/vol: 30.63 (g/mL) G

Lab File ID: X60483.RR

Level: (low/med) LOW

Date Samp/Recv: 05/19/2004 05/21/2004

% Moisture: 19.7 decanted: (Y/N) N

Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/24/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	4000	U
208-96-8-----	ACENAPHTHYLENE	4000	U
120-12-7-----	ANTHRACENE	4000	U
56-55-3-----	BENZO (A) ANTHRACENE	4000	U
205-99-2-----	BENZO (B) FLUORANTHENE	4000	U
207-08-9-----	BENZO (K) FLUORANTHENE	4000	U
191-24-2-----	BENZO (GHI) PERYLENE	4000	U
50-32-8-----	BENZO (A) PYRENE	1500	J
218-01-9-----	CHRYSENE	4000	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	4000	U
206-44-0-----	FLUORANTHENE	4000	U
86-73-7-----	FLUORENE	4000	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	4000	U
91-57-6-----	2-METHYLNAPHTHALENE	4000	U
91-20-3-----	NAPHTHALENE	4000	U
85-01-8-----	PHENANTHRENE	4000	U
129-00-0-----	PYRENE	4000	U
132-64-9-----	DIBENZOFURAN	4000	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

19/567

Client No.

GBVISW0403

Lab Name: STL Buffalo

Contract: EEMC MSPA

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A4479903

Sample wt/vol: 5.33 (g/mL) G

Lab File ID: F6675.RR

Level: (low/med) LOW

Date Samp/Recv: 05/19/2004 05/21/2004

% Moisture: not dec. 25.5 Heated Purge: Y

Date Analyzed: 05/23/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	19	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

30/567

Client No.

GEVISW0403

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479903

Sample wt/vol: 30.23 (g/mL) G

Lab File ID: X60484.RR

Level: (low/med) LOW

Date Samp/Recv: 05/19/2004 05/21/2004

% Moisture: 25.1 decanted: (Y/N) N

Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/24/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 10.00

WPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	4400		U
208-96-8-----	ACENAPHTHYLENE	4400		U
120-12-7-----	ANTHRACENE	4400		U
56-55-3-----	BENZO (A) ANTHRACENE	2900		J
205-99-2-----	BENZO (B) FLUORANTHENE	5300		
207-08-9-----	BENZO (K) FLUORANTHENE	5100		
191-24-2-----	BENZO (GHI) PERYLENE	4400		U
50-32-8-----	BENZO (A) PYRENE	3000		J
218-01-9-----	CHRYSENE	2900		J
53-70-3-----	DIBENZO (A, H) ANTHRACENE	4400		U
206-44-0-----	FLUORANTHENE	4700		
86-73-7-----	FLUORENE	4400		U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	4400		U
91-57-6-----	2-METHYLNAPHTHALENE	4400		U
91-20-3-----	NAPHTHALENE	4400		U
85-01-8-----	PHENANTHRENE	2400		J
129-00-0-----	PYRENE	3100		J
132-64-9-----	DIBENZOFURAN	4400		U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

15/567

Client No.

GBVICR0404

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479904

Sample wt/vol: 5.06 (g/mL) G

Lab File ID: F6676.RR

Level: (low/med) LOW

Date Samp/Recv: 05/19/2004 05/21/2004

% Moisture: not dec. 18.7 Heated Purge: Y

Date Analyzed: 05/23/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE		1	J
100-41-4-----	ETHYLBENZENE		6	U
108-88-3-----	TOLUENE		6	U
1330-20-7-----	TOTAL XYLENES		18	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

24/567

Client No.

GBVICR0404

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479904

Sample wt/vol: 30.11 (g/mL) G

Lab File ID: X60485.RR

Level: (low/med) LOW

Date Samp/Recv: 05/19/2004 05/21/2004

% Moisture: 17.6 decanted: (Y/N) N

Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/24/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	400	U
208-96-8-----	ACENAPHTHYLENE	400	U
120-12-7-----	ANTHRACENE	400	U
56-55-3-----	BENZO (A) ANTHRACENE	400	U
205-99-2-----	BENZO (B) FLUORANTHENE	400	U
207-08-9-----	BENZO (K) FLUORANTHENE	400	U
191-24-2-----	BENZO (GHI) PERYLENE	400	U
50-32-8-----	BENZO (A) PYRENE	400	U
218-01-9-----	CHRYSENE	400	U
53-70-3-----	DIBENZO (A,H) ANTHRACENE	400	U
206-44-0-----	FLUORANTHENE	400	U
86-73-7-----	FLUORENE	400	U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	400	U
91-57-6-----	2-METHYLNAPHTHALENE	400	U
91-20-3-----	NAPHTHALENE	400	U
85-01-8-----	PHENANTHRENE	400	U
129-00-0-----	PYRENE	400	U
132-64-9-----	DIBENZOFURAN	400	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

GEVISW0405

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4479905Sample wt/vol: 5.31 (g/mL) GLab File ID: F6677.RRLevel: (low/med) LOWDate Samp/Recv: 05/19/2004 05/21/2004% Moisture: not dec. 19.4 Heated Purge: YDate Analyzed: 05/23/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

32/567

Client No.

GBVISW0405

Lab Name: SIL Buffalo Contract: EEHC MSPA
 Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: A4479905RE
 Sample wt/vol: 30.05 (g/mL) G Lab File ID: X60517.RR
 Level: (low/med) LOW Date Samp/Recv: 05/19/2004 05/21/2004
 % Moisture: 25.1 decanted: (Y/N) N Date Extracted: 05/25/2004
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/26/2004
 Injection Volume: 1.00 (uL) Dilution Factor: 10.00
 EPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	4400	U
208-96-8-----	ACENAPHTHYLENE	4400	U
120-12-7-----	ANTHRACENE	4400	U
56-55-3-----	BENZO (A) ANTHRACENE	16000	
205-99-2-----	BENZO (B) FLUORANTHENE	16000	
207-08-9-----	BENZO (K) FLUORANTHENE	15000	
191-24-2-----	BENZO (GHI) PERYLENE	7400	
50-32-8-----	BENZO (A) PYRENE	18000	
218-01-9-----	CHRYSENE	19000	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	4400	U
206-44-0-----	FLUORANTHENE	16000	
86-73-7-----	FLUORENE	4400	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	8300	
91-57-6-----	2-METHYLNAPHTHALENE	4400	U
91-20-3-----	NAPHTHALENE	4400	U
85-01-8-----	PHENANTHRENE	4800	
129-00-0-----	PYRENE	15000	
132-64-9-----	DIBENZOFURAN	4400	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

GEVICR0406

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4479906Sample wt/vol: 5.00 (g/mL) GLab File ID: F6678.RRLevel: (low/med) LOWDate Samp/Recv: 05/19/2004 05/21/2004% Moisture: not dec. 17.7 Heated Purge: YDate Analyzed: 05/23/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

25/567

Client No.

GEVICR0406

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479906

Sample wt/vol: 30.63 (g/mL) G

Lab File ID: X60487.RR

Level: (low/med) LOW

Date Samp/Recv: 05/19/2004 05/21/2004

% Moisture: 16.6 decanted: (Y/N) N

Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/24/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

IPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	390	U	
208-96-8-----	ACENAPHTHYLENE	390	U	
120-12-7-----	ANTHRACENE	390	U	
56-55-3-----	BENZO (A) ANTHRACENE	390	U	
205-99-2-----	BENZO (B) FLUORANTHENE	390	U	
207-08-9-----	BENZO (K) FLUORANTHENE	390	U	
191-24-2-----	BENZO (GHI) PERYLENE	390	U	
50-32-8-----	BENZO (A) PYRENE	390	U	
218-01-9-----	CHRYSENE	390	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	390	U	
206-44-0-----	FLUORANTHENE	160	J	
86-73-7-----	FLUORENE	390	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	390	U	
91-57-6-----	2-METHYLNAPHTHALENE	390	U	
91-20-3-----	NAPHTHALENE	390	U	
85-01-8-----	PHENANTHRENE	390	U	
129-00-0-----	PYRENE	390	U	
132-64-9-----	DIBENZOFURAN	390	U	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

GEVISW0407

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4479907Sample wt/vol: 5.02 (g/mL) GLab File ID: F6679.RRLevel: (low/med) LOWDate Samp/Recv: 05/19/2004 05/21/2004% Moisture: not dec. 17.8 Heated Purge: YDate Analyzed: 05/23/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

33/567

Client No.

GEVISW0407

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479907

Sample wt/vol: 30.46 (g/mL) G

Lab File ID: X60488.RR

Level: (low/med) LOW

Date Samp/Recv: 05/19/2004 05/21/2004

Moisture: 18.0 decanted: (Y/N) N

Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/24/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	2000	U	
208-96-8-----	ACENAPHTHYLENE	2000	U	
120-12-7-----	ANTHRACENE	2000	U	
56-55-3-----	BENZO (A) ANTHRACENE	2000	U	
205-99-2-----	BENZO (B) FLUORANTHENE	2000	U	
207-08-9-----	BENZO (K) FLUORANTHENE	2000	U	
191-24-2-----	BENZO (GHI) PERYLENE	2000	U	
50-32-8-----	BENZO (A) PYRENE	2000	U	
218-01-9-----	CHRYSENE	2000	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	2000	U	
206-44-0-----	FLUORANTHENE	2000	U	
86-73-7-----	FLUORENE	2000	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	2000	U	
91-57-6-----	2-METHYLNAPHTHALENE	2000	U	
91-20-3-----	NAPHTHALENE	2000	U	
85-01-8-----	PHENANTHRENE	2000	U	
129-00-0-----	PYRENE	2000	U	
132-64-9-----	DIBENZOFURAN	2000	U	

17/567

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

GEVICR0408

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4479908Sample wt/vol: 5.07 (g/mL) GLab File ID: F6680.RRLevel: (low/med) LOWDate Samp/Recv: 05/19/2004 05/21/2004% Moisture: not dec. 16.5 Heated Purge: YDate Analyzed: 05/23/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	2	J
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

26/567

Client No.

GEVICR0408

Lab Name: STL Buffalo Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL Lab Sample ID: A4479908

Sample wt/vol: 30.60 (g/mL) G Lab File ID: X60489.RR

Level: (low/med) LOW Date Samp/Recv: 05/19/2004 05/21/2004

% Moisture: 17.1 decanted: (Y/N) N Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	2100	
208-96-8-----	ACENAPHTHYLENE	390	U
120-12-7-----	ANTHRACENE	750	
56-55-3-----	BENZO (A) ANTHRACENE	390	U
205-99-2-----	BENZO (B) FLUORANTHENE	390	U
207-08-9-----	BENZO (K) FLUORANTHENE	390	U
191-24-2-----	BENZO (GHI) PERYLENE	390	U
50-32-8-----	BENZO (A) PYRENE	390	U
218-01-9-----	CHRYSENE	390	U
53-70-3-----	DIBENZO (A,H) ANTHRACENE	390	U
206-44-0-----	FLUORANTHENE	1000	
86-73-7-----	FLUORENE	1500	
193-39-5-----	INDENO (1,2,3-CD) PYRENE	390	U
91-57-6-----	2-METHYLNAPHTHALENE	160	BJ
91-20-3-----	NAPHTHALENE	390	U
85-01-8-----	PHENANTHRENE	2900	
129-00-0-----	PYRENE	420	
132-64-9-----	DIBENZOFURAN	2200	

Chain of Custody Record

SEVERN
TRENT

STL

Severn Trent Laboratories, Inc.



STL-4124 (0901)

Client URS Corporation		Project Manager Bert Finch		Date	Chain of Custody Number 137373
Address 152 Border City Rd.		Telephone Number (Area Code)/Fax Number 714-315-761-2752		Lab Number	Page 1 of 1

City Cincinnati	State OH	Zip Code 45202	Site Contact Jane Espinoza	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State)			Carrier/Waybill Number		Special Instructions/ Conditions of Receipt

Contract/Purchase Order/Quote No.			Matrix				Containers & Preservatives						Special Instructions/Conditions of Receipt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)		
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ Return To Client	☐ Disposal By Lab	☐ Archive For	Months

Turn Around Time Required			QC Requirements (Specify)		
☐ 24 Hours	☒ 48 Hours	☐ 7 Days	☐ 14 Days	☐ 21 Days	☐ Other

1. Relinquished By <i>[Signature]</i>	Date 5-20-04	Time 3pm	1. Received By <i>[Signature]</i>	Date 05/21/04	Time 09:45
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

52/459

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVISW0409

Lab Name: STL BuffaloContract: EMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4479801Sample wt/vol: 5.16 (g/mL) GLab File ID: F6669.RRLevel: (low/med) LOWDate Samp/Recv: 05/20/2004 05/21/2004% Moisture: not dec. 21.8 Heated Purge: YDate Analyzed: 05/23/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

23/459

Client No.

BCVISW0409

Lab Name: STL Buffalo

Contract: EEMC MSPA

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A4479801RE

Sample wt/vol: 30.34 (g/mL) G

Lab File ID: X60513.RR

Level: (low/med) LOW

Date Samp/Recv: 05/20/2004 05/21/2004

% Moisture: 26.1 decanted: (Y/N) N

Date Extracted: 05/25/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/26/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 10.00

IPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	4400		U
208-96-8-----	ACENAPHTHYLENE	4400		U
120-12-7-----	ANTHRACENE	4400		U
56-55-3-----	BENZO (A) ANTHRACENE	5000		
205-99-2-----	BENZO (B) FLUORANTHENE	3900		J
207-08-9-----	BENZO (K) FLUORANTHENE	3500		J
191-24-2-----	BENZO (CHI) PERYLENE	3700		J
50-32-8-----	BENZO (A) PYRENE	4700		
218-01-9-----	CHRYSENE	5800		
53-70-3-----	DIBENZO (A, H) ANTHRACENE	4400		U
206-44-0-----	FLUORANTHENE	7100		
86-73-7-----	FLUORENE	4400		U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	3200		J
91-57-6-----	2-METHYLNAPHTHALENE	4400		U
91-20-3-----	NAPHTHALENE	4400		U
85-01-8-----	PHENANTHRENE	2400		J
129-00-0-----	PYRENE	7700		
132-64-9-----	DIBENZOFURAN	4400		U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8260 - BTEX
 ANALYSIS DATA SHEET

Client No.

BCVIWW0410

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4479803Sample wt/vol: 5.04 (g/mL) GLab File ID: F6671.RRLevel: (low/med) LOWDate Samp/Recv: 05/20/2004 05/21/2004% Moisture: not dec. 12.8 Heated Purge: YDate Analyzed: 05/23/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7----	TOTAL XYLENES	17	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

24/459

Client No.

BCVIWW0410

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479803

Sample wt/vol: 30.27 (g/mL) G

Lab File ID: X60480.RR

Level: (low/med) LOW

Date Samp/Recv: 05/20/2004 05/21/2004

% Moisture: 18.3 decanted: (Y/N) N

Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/24/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	8000	U	
208-96-8-----	ACENAPHTHYLENE	8000	U	
120-12-7-----	ANTHRACENE	8000	U	
56-55-3-----	BENZO (A) ANTHRACENE	8000	U	
205-99-2-----	BENZO (B) FLUORANTHENE	8000	U	
207-08-9-----	BENZO (K) FLUORANTHENE	8000	U	
191-24-2-----	BENZO (GHI) PERYLENE	8000	U	
50-32-8-----	BENZO (A) PYRENE	8000	U	
218-01-9-----	CHRYSENE	8000	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	8000	U	
206-44-0-----	FLUORANTHENE	8000	U	
86-73-7-----	FLUORENE	8000	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	8000	U	
91-57-6-----	2-METHYLNAPHTHALENE	8000	U	
91-20-3-----	NAPHTHALENE	8000	U	
85-01-8-----	PHENANTHRENE	8000	U	
129-00-0-----	PYRENE	8000	U	
132-64-9-----	DIBENZOFURAN	8000	U	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVICR0411

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4479802Sample wt/vol: 5.18 (g/mL) GLab File ID: F6670.RRLevel: (low/med) LOWDate Samp/Recv: 05/20/2004 05/21/2004% Moisture: not dec. 17.5 Heated Purge: YDate Analyzed: 05/23/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

18/459

Client No.

BCVICR0411

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479802

Sample wt/vol: 30.24 (g/mL) G

Lab File ID: X60479.RR

Level: (low/med) LOW

Date Samp/Recv: 05/20/2004 05/21/2004

% Moisture: 19.5 decanted: (Y/N) N

Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/24/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

SPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	410	U
208-96-8-----	ACENAPHTHYLENE	410	U
120-12-7-----	ANTHRACENE	410	U
56-55-3-----	BENZO (A) ANTHRACENE	410	U
205-99-2-----	BENZO (B) FLUORANTHENE	410	U
207-08-9-----	BENZO (K) FLUORANTHENE	410	U
191-24-2-----	BENZO (GHI) PERYLENE	410	U
50-32-8-----	BENZO (A) PYRENE	410	U
218-01-9-----	CHRYSENE	410	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	410	U
206-44-0-----	FLUORANTHENE	170	J
86-73-7-----	FLUORENE	410	U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	410	U
91-57-6-----	2-METHYLNAPHTHALENE	410	U
91-20-3-----	NAPHTHALENE	880	B
85-01-8-----	PHENANTHRENE	160	J
129-00-0-----	PYRENE	410	U
132-64-9-----	DIBENZOFURAN	410	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVICR0412

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4479804Sample wt/vol: 5.03 (g/mL) GLab File ID: F6672.RRLevel: (low/med) LOWDate Samp/Recv: 05/20/2004 05/21/2004% Moisture: not dec. 17.1 Heated Purge: YDate Analyzed: 05/23/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	1000	E
100-41-4-----	ETHYLBENZENE	340	E
108-88-3-----	TOLUENE	3	J
1330-20-7-----	TOTAL XYLENES	73	

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

20/459

Client No.

BCVICR0412

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4479804

Sample wt/vol: 30.29 (g/mL) G

Lab File ID: X60481.RR

Level: (low/med) LOW

Date Samp/Recv: 05/20/2004 05/21/2004

% Moisture: 18.3 decanted: (Y/N) N

Date Extracted: 05/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/24/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	400	U	
208-96-8-----	ACENAPHTHYLENE	400	U	
120-12-7-----	ANTHRACENE	400	U	
56-55-3-----	BENZO (A) ANTHRACENE	400	U	
205-99-2-----	BENZO (B) FLUORANTHENE	400	U	
207-08-9-----	BENZO (K) FLUORANTHENE	400	U	
191-24-2-----	BENZO (GHI) PERYLENE	400	U	
50-32-8-----	BENZO (A) PYRENE	400	U	
218-01-9-----	CHRYSENE	400	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	400	U	
206-44-0-----	FLUORANTHENE	400	U	
86-73-7-----	FLUORENE	400	U	
193-39-5-----	INDENO (1,2,3-CD) PYRENE	400	U	
91-57-6-----	2-METHYLNAPHTHALENE	400	U	
91-20-3-----	NAPHTHALENE	2400	B	
85-01-8-----	PHENANTHRENE	150	J	
129-00-0-----	PYRENE	400	U	
132-64-9-----	DIBENZOFURAN	160	J	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

12/210

Client No.

BCVICR0413

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4504001

Sample wt/vol: 4.21 (g/mL) G

Lab File ID: R5669.RR

Level: (low/med) MED

Date Samp/Recv: 05/26/2004 05/27/2004

% Moisture: not dec. 16.8 Heated Purge: N

Date Analyzed: 05/28/2004

GC Column: DB-624 ID: 0.20 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
71-43-2-----	BENZENE	650		J
100-41-4-----	ETHYLBENZENE	550		J
108-88-3-----	TOLUENE	710		U
1330-20-7-----	TOTAL XYLENES	740		J

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

14/210

Client No.

BCVICR0413

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4504001

Sample wt/vol: 30.31 (g/mL) G

Lab File ID: V04201.RR

Level: (low/med) LOW

Date Samp/Recv: 05/26/2004 05/27/2004

% Moisture: 19.0 decanted: (Y/N) N

Date Extracted: 05/29/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/01/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	400		U
208-96-8-----	ACENAPHTHYLENE	130		J
120-12-7-----	ANTHRACENE	440		
56-55-3-----	BENZO (A) ANTHRACENE	380		J
205-99-2-----	BENZO (B) FLUORANTHENE	220		J
207-08-9-----	BENZO (K) FLUORANTHENE	270		J
191-24-2-----	BENZO (GHI) PERYLENE	400		U
50-32-8-----	BENZO (A) PYRENE	270		J
218-01-9-----	CHRYSENE	440		
53-70-3-----	DIBENZO (A, H) ANTHRACENE	400		U
206-44-0-----	FLUORANTHENE	700		
86-73-7-----	FLUORENE	250		J
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	400		U
91-57-6-----	2-METHYLNAPHTHALENE	400		U
91-20-3-----	NAPHTHALENE	900		
85-01-8-----	PHENANTHRENE	810		
129-00-0-----	PYRENE	500		
132-64-9-----	DIBENZOFURAN	400		U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

13/210

Client No.

BCVICR0414

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4504002

Sample wt/vol: 4.12 (g/mL) G

Lab File ID: R5670.RR

Level: (low/med) MED

Date Samp/Recv: 05/26/2004 05/27/2004

% Moisture: not dec. 20.6 Heated Purge: N

Date Analyzed: 05/28/2004

GC Column: DB-624 ID: 0.20 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
71-43-2-----	BENZENE	550	J
100-41-4-----	ETHYLBENZENE	280	J
108-88-3-----	TOLUENE	760	U
1330-20-7-----	TOTAL XYLENES	2300	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

15/210

Client No.

BCVICR0414

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4504002

Sample wt/vol: 30.00 (g/mL) G

Lab File ID: V04202.RR

Level: (low/med) LOW

Date Samp/Recv: 05/26/2004 05/27/2004

% Moisture: 20.2 decanted: (Y/N) N

Date Extracted: 05/29/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/01/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	410	U	
208-96-8-----	ACENAPHTHYLENE	410	U	
120-12-7-----	ANTHRACENE	410	U	
56-55-3-----	BENZO (A) ANTHRACENE	410	U	
205-99-2-----	BENZO (B) FLUORANTHENE	410	U	
207-08-9-----	BENZO (K) FLUORANTHENE	410	U	
191-24-2-----	BENZO (GHI) PERYLENE	410	U	
50-32-8-----	BENZO (A) PYRENE	410	U	
218-01-9-----	CHRYSENE	410	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	410	U	
206-44-0-----	FLUORANTHENE	410	U	
86-73-7-----	FLUORENE	410	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	410	U	
91-57-6-----	2-METHYLNAPHTHALENE	410	U	
91-20-3-----	NAPHTHALENE	1700		
85-01-8-----	PHENANTHRENE	410	U	
129-00-0-----	PYRENE	410	U	
132-64-9-----	DIBENZOFURAN	410	U	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

12/234

Client No.

BCVICR0415

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4533401

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Q7757.RR

Level: (low/med) LOW

Date Samp/Recv: 06/04/2004 06/05/2004

% Moisture: not dec. 21.5 Heated Purge: Y

Date Analyzed: 06/09/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE		710	E
100-41-4-----	ETHYLBENZENE		160	
108-88-3-----	TOLUENE		6	U
1330-20-7-----	TOTAL XYLENES		58	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

14/234

Client No.

BCVICR0415

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4533401

Sample wt/vol: 30.51 (g/mL) G

Lab File ID: V04451.RR

Level: (low/med) LOW

Date Samp/Recv: 06/04/2004 06/05/2004

% Moisture: 20.6 decanted: (Y/N) N

Date Extracted: 06/09/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/10/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	ACENAPHTHENE	720		
208-96-8	ACENAPHTHYLENE	410		U
120-12-7	ANTHRACENE	410		U
56-55-3	BENZO (A) ANTHRACENE	410		U
205-99-2	BENZO (B) FLUORANTHENE	410		U
207-08-9	BENZO (K) FLUORANTHENE	410		U
191-24-2	BENZO (GHI) PERYLENE	410		U
50-32-8	BENZO (A) PYRENE	410		U
218-01-9	CHRYSENE	410		U
53-70-3	DIBENZO (A, H) ANTHRACENE	410		U
206-44-0	FLUORANTHENE	410		U
86-73-7	FLUORENE	240		J
193-39-5	INDENO (1, 2, 3-CD) PYRENE	410		U
91-57-6	2-METHYLNAPHTHALENE	320		J
91-20-3	NAPHTHALENE	3800		
85-01-8	PHENANTHRENE	160		J
129-00-0	PYRENE	410		U
132-64-9	DIBENZOFURAN	370		J

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

13/201

Client No.

BCVICR0416

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4540001

Sample wt/vol: 5.17 (g/mL) G

Lab File ID: Q7776.RR

Level: (low/med) LOW

Date Samp/Recv: 06/07/2004 06/08/2004

% Moisture: not dec. 17.3 Heated Purge: Y

Date Analyzed: 06/09/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	<u>UG/KG</u>	
71-43-2-----	BENZENE	6		U
100-41-4-----	ETHYLBENZENE	6		U
108-88-3-----	TOLUENE	6		U
1330-20-7-----	TOTAL XYLENES	18		U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

12/201

Client No.

BCVICR0416

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4540001

Sample wt/vol: 30.33 (g/mL) G

Lab File ID: V04452.RR

Level: (low/med) LOW

Date Samp/Recv: 06/07/2004 06/08/2004

% Moisture: 18.7 decanted: (Y/N) N

Date Extracted: 06/09/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/10/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	400	U	
208-96-8-----	ACENAPHTHYLENE	400	U	
120-12-7-----	ANTHRACENE	400	U	
56-55-3-----	BENZO (A) ANTHRACENE	400	U	
205-99-2-----	BENZO (B) FLUORANTHENE	400	U	
207-08-9-----	BENZO (K) FLUORANTHENE	400	U	
191-24-2-----	BENZO (GHI) PERYLENE	400	U	
50-32-8-----	BENZO (A) PYRENE	400	U	
218-01-9-----	CHRYSENE	400	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	400	U	
206-44-0-----	FLUORANTHENE	360	J	
86-73-7-----	FLUORENE	400	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	400	U	
91-57-6-----	2-METHYLNAPHTHALENE	400	U	
91-20-3-----	NAPHTHALENE	400	U	
85-01-8-----	PHENANTHRENE	300	J	
129-00-0-----	PYRENE	300	J	
132-64-9-----	DIBENZOFURAN	400	U	

STL

Severn Trent Laboratories, Inc.

Q

Client MUSEG Border City		Project Manager Bert Finch		Date 6-10-04	Chain of Custody Number 166218	
Address 152 Bordercity RD		Telephone Number (Area Code)/Fax Number 315-761-2752		Lab Number		Page _____ of _____
City Geneva	State NY	Zip Code 14456	Site Contact Jason Esposito	Lab Contact	Analysis (Attach list if more space is needed)	
Project Name and Location (State) Border City			Carrier/Waybill Number 8456-7732-3565-4		Special Instructions/ Conditions of Receipt	
Contract/Purchase Order/Quote No.		Matrix	Containers			

[illegible]

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

☐ Return To Client ☐ Disposal By Lab ☐ Archive For

(A fee may be assessed if samples are retained longer than 1 month)

☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

11/11

Date	Time
6-10-02	1400

114 22

Date	Time
06/11/04	0930

Date _____ Time _____

1

Date _____, Time _____

Date _____ Time _____

1

Date _____ Time _____

Comments

4.80

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

51173

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVICR0417

Lab Name: SIL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4557101Sample wt/vol: 5.08 (g/mL) GLab File ID: Q7905.RRLevel: (low/med) LOWDate Samp/Recv: 06/10/2004 06/11/2004% Moisture: not dec. 17.6 Heated Purge: YDate Analyzed: 06/13/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

13/173

Client No.

BCVICR0417

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4557101

Sample wt/vol: 30.22 (g/mL) G

Lab File ID: V04545.RR

Level: (low/med) LOW

Date Samp/Recv: 06/10/2004 06/11/2004

% Moisture: 17.2 decanted: (Y/N) Y

Date Extracted: 06/14/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/15/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	400	U	
208-96-8-----	ACENAPHTHYLENE	400	U	
120-12-7-----	ANTHRACENE	400	U	
56-55-3-----	BENZO (A) ANTHRACENE	400	U	
205-99-2-----	BENZO (B) FLUORANTHENE	400	U	
207-08-9-----	BENZO (K) FLUORANTHENE	400	U	
191-24-2-----	BENZO (GHI) PERYLENE	400	U	
50-32-8-----	BENZO (A) PYRENE	400	U	
218-01-9-----	CHRYSENE	400	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	400	U	
206-44-0-----	FLUORANTHENE	400	U	
86-73-7-----	FLUORENE	400	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	400	U	
91-57-6-----	2-METHYLNAPHTHALENE	400	U	
91-20-3-----	NAPHTHALENE	400	U	
85-01-8-----	PHENANTHRENE	400	U	
129-00-0-----	PYRENE	400	U	
132-64-9-----	DIBENZOFURAN	400	U	

**SEVERN
TRENT**

STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client NYSBG Border City	Project Manager Bert Finch	Date 6-11-04	Chain of Custody Number 166217
Address 152 Border City Rd.	Telephone Number (Area Code)/Fax Number 315-761-2752	Lab Number	Page _____ of _____

City Geneva	State Mt	Zip Code 14456	Site Contact JASON ESPOSITO	Lab Contact	Analysis (Attach list if more space is needed)								Special Instructions/ Conditions of Receipt
Project Name and Location (State) Border City			Carrier/Waybill Number 8458-7733-5687		PAT								
Contract/Purchase Order/Quote No.			Containers &										

[illegible]

Possible Hazard Identification					Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ Return To Client	☐ Disposal By Lab	☐ Archive For _____ Months	

Turn Around Time Required			QC Requirements (Specify)		
☐ 24 Hours	☐ 48 Hours	☐ 7 Days	☒ 14 Days	☐ 21 Days	☐ Other _____
1. Relinquished By <i>[Signature]</i>	Date 6-11-04	Time 1100	1. Received By <i>[Signature]</i>	Date 6/12/04	Time 1045
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

31/176

NYSEG

METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVICR0418

Lab Name: SIL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4561401Sample wt/vol: 5.16 (g/mL) GLab File ID: Q8016.RRLevel: (low/med) LOWDate Samp/Recv: 06/11/2004 06/12/2004% Moisture: not dec. 20.4 Heated Purge: YDate Analyzed: 06/18/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

13/176

Client No.

BCVICR0418

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4561401

Sample wt/vol: 30.16 (g/mL) G

Lab File ID: V04554.RR

Level: (low/med) LOW

Date Samp/Recv: 06/11/2004 06/12/2004

% Moisture: 18.2 decanted: (Y/N) N

Date Extracted: 06/15/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/15/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	400	U
208-96-8-----	ACENAPHTHYLENE	400	U
120-12-7-----	ANTHRACENE	400	U
56-55-3-----	BENZO (A) ANTHRACENE	400	U
205-99-2-----	BENZO (B) FLUORANTHENE	400	U
207-08-9-----	BENZO (K) FLUORANTHENE	400	U
191-24-2-----	BENZO (GHI) PERYLENE	400	U
50-32-8-----	BENZO (A) PYRENE	400	U
218-01-9-----	CHRYSENE	400	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	400	U
206-44-0-----	FLUORANTHENE	400	U
86-73-7-----	FLUORENE	400	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	400	U
91-57-6-----	2-METHYLNAPHTHALENE	400	U
91-20-3-----	NAPHTHALENE	400	U
85-01-8-----	PHENANTHRENE	400	U
129-00-0-----	PYRENE	400	U
132-64-9-----	DIBENZOFURAN	400	U

STL

Q

Client NYS EG Border City		Project Manager Bert Finch		Date 6-14-04	Chain of Custody Number 166216	
Address 152 Border City Rd.		Telephone Number (Area Code)/Fax Number 315-761-2752		Lab Number		Page _____ of _____
City Geneva	State NY	Zip Code 14456	Site Contact J. Esposito	Lab Contact R. Mazzur	Analysis (Attach list if more space is needed)	
Project Name and Location (State) NYS EG Border City			Carrier/Waybill Number 845877305621		Special Instructions/ Conditions of Receipt	
Contract/Purchase Order/Quote No.			Container #			

BCVTC ROH19

Date	Time
6-14-01	1030

Matrix	Containers & Preservatives

Air	
Aqueous	
Sed.	
Gill	
Impres.	
H ₂ SO ₄	
HNO ₃	
HCl	
NaOH	
ZnAc/ NaOH	

~~✓ HCL 244~~
~~✓ b7c~~

Analysis (Attach list if
more space is needed)

Special Instructions/
Conditions of Receipt

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client☐ Disposal By Lab☐ Archive For

Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By

Date _____ Time _____

1. Received 8

Date / Time

2. Relinquished By

Date _____ Time _____

2. Received B

Date	Time

3. Relinquished By

Date _____ Time _____

3. Received B

Date _____, Time _____

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

31/175

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

12/175

Client No.

BCVICRO419

Lab Name: STL Buffalo

Contract: EEMC MSPA

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A4565101

Sample wt/vol: 5.12 (g/mL) G

Lab File ID: Q8015.RR

Level: (low/med) LOW

Date Samp/Recv: 06/14/2004 06/15/2004

% Moisture: not dec. 22.1 Heated Purge: Y

Date Analyzed: 06/18/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE	6	U	
100-41-4-----	ETHYLBENZENE	6	U	
108-88-3-----	TOLUENE	6	U	
1330-20-7-----	TOTAL XYLENES	19	U	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

13/175

Client No.

BCVICRO419

Lab Name: STL Buffalo

Contract: EEHC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4565101

Sample wt/vol: 30.53 (g/mL) G

Lab File ID: V04612.RR

Level: (low/med) LOW

Date Samp/Recv: 06/14/2004 06/15/2004

% Moisture: 47.8 decanted: (Y/N) N

Date Extracted: 06/15/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/18/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	620	U	
208-96-8-----	ACENAPHTHYLENE	620	U	
120-12-7-----	ANTHRACENE	620	U	
56-55-3-----	BENZO (A) ANTHRACENE	620	U	
205-99-2-----	BENZO (B) FLUORANTHENE	620	U	
207-08-9-----	BENZO (K) FLUORANTHENE	620	U	
191-24-2-----	BENZO (GHI) PERYLENE	620	U	
50-32-8-----	BENZO (A) PYRENE	620	U	
218-01-9-----	CHRYSENE	620	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	620	U	
206-44-0-----	FLUORANTHENE	620	U	
86-73-7-----	FLUORENE	620	U	
193-39-5-----	INDENO (1,2,3-CD) PYRENE	620	U	
91-57-6-----	2-METHYLNAPHTHALENE	620	U	
91-20-3-----	NAPHTHALENE	620	U	
85-01-8-----	PHENANTHRENE	620	U	
129-00-0-----	PYRENE	620	U	
132-64-9-----	DIBENZOFURAN	620	U	

NEW YORK STATE ELECTRIC & GAS

11/289

NYSEG

METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVICR0420

Lab Name: STL BuffaloContract: EEVC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4578601Sample wt/vol: 5.09 (g/mL) GLab File ID: Q8046.RRLevel: (Low/med) LOWDate Samp/Recv: 06/17/2004 06/18/2004% Moisture: not dec. 17.2 Heated Purge: YDate Analyzed: 06/21/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE	7		
100-41-4-----	ETHYLBENZENE	6		U
108-88-3-----	TOLUENE	6		U
1330-20-7-----	TOTAL XYLENES	5		J

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

Client No.

BCVICR0420

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4578601Sample wt/vol: 30.67 (g/mL) GLab File ID: X60725.RRLevel: (low/med) LOWDate Samp/Recv: 06/17/2004 06/18/2004% Moisture: 16.6 decanted: (Y/N) NDate Extracted: 06/21/2004Concentrated Extract Volume: 1000 (uL)Date Analyzed: 06/23/2004Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	390	U
208-96-8-----	ACENAPHTHYLENE	390	U
120-12-7-----	ANTHRACENE	390	U
56-55-3-----	BENZO (A) ANTHRACENE	390	U
205-99-2-----	BENZO (B) FLUORANTHENE	390	U
207-08-9-----	BENZO (K) FLUORANTHENE	390	U
191-24-2-----	BENZO (GHI) PERYLENE	390	U
50-32-8-----	BENZO (A) PYRENE	390	U
218-01-9-----	CHRYSENE	390	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	390	U
206-44-0-----	FLUORANTHENE	390	U
86-73-7-----	FLUORENE	390	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	390	U
91-57-6-----	2-METHYLNAPHTHALENE	390	U
91-20-3-----	NAPHTHALENE	390	U
85-01-8-----	PHENANTHRENE	390	U
129-00-0-----	PYRENE	390	U
132-64-9-----	DIBENZOFURAN	390	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

12/289

Client No.

BCVICR0421

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4578602

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: Q8047.RR

Level: (low/med) LOW

Date Samp/Recv: 06/17/2004 06/18/2004

% Moisture: not dec. 23.0 Heated Purge: Y

Date Analyzed: 06/21/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE		680	E
100-41-4-----	ETHYLBENZENE		58	
108-88-3-----	TOLUENE		17	
1330-20-7-----	TOTAL XYLENES		120	

17/289

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

Client No.

BCVICR0421

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4578602Sample wt/vol: 30.36 (g/mL) GLab File ID: X60726.RRLevel: (low/med) LOWDate Samp/Recv: 06/17/2004 06/18/2004% Moisture: 21.0 decanted: (Y/N) NDate Extracted: 06/21/2004Concentrated Extract Volume: 1000 (uL)Date Analyzed: 06/23/2004Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	180	J
208-96-8-----	ACENAPHTHYLENE	1000	
120-12-7-----	ANTHRACENE	1400	
56-55-3-----	BENZO (A) ANTHRACENE	990	
205-99-2-----	BENZO (B) FLUORANTHENE	460	
207-08-9-----	BENZO (K) FLUORANTHENE	550	
191-24-2-----	BENZO (GHI) PERYLENE	410	U
50-32-8-----	BENZO (A) PYRENE	620	
218-01-9-----	CHRYSENE	1200	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	410	U
206-44-0-----	FLUORANTHENE	2400	
86-73-7-----	FLUORENE	1200	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	410	U
91-57-6-----	2-METHYLNAPHTHALENE	830	
91-20-3-----	NAPHTHALENE	3700	
85-01-8-----	PHENANTHRENE	4000	
129-00-0-----	PYRENE	1600	
132-64-9-----	DIBENZOFURAN	820	

NYSEG

METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVXCR0422

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4578603Sample wt/vol: 5.13 (g/mL) GLab File ID: Q8048.RRLevel: (low/med) LOWDate Samp/Recv: 06/17/2004 06/18/2004% Moisture: not dec. 22.8 Heated Purge: YDate Analyzed: 06/21/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	810	E
100-41-4-----	ETHYLBENZENE	240	
108-88-3-----	TOLUENE	4	J
1330-20-7-----	TOTAL XYLENES	160	

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

Client No.

BCVXCR0422

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4578603Sample wt/vol: 30.27 (g/mL) GLab File ID: X60727.RRLevel: (low/med) LOWDate Samp/Recv: 06/17/2004 06/18/2004% Moisture: 20.9 decanted: (Y/N) NDate Extracted: 06/21/2004Concentrated Extract Volume: 1000 (uL)Date Analyzed: 06/23/2004Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	410	U
208-96-8-----	ACENAPHTHYLENE	410	U
120-12-7-----	ANTHRACENE	410	U
56-55-3-----	BENZO (A) ANTHRACENE	410	U
205-99-2-----	BENZO (B) FLUORANTHENE	410	U
207-08-9-----	BENZO (K) FLUORANTHENE	410	U
191-24-2-----	BENZO (GHI) PERYLENE	410	U
50-32-8-----	BENZO (A) PYRENE	410	U
218-01-9-----	CHRYSENE	410	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	410	U
206-44-0-----	FLUORANTHENE	410	U
86-73-7-----	FLUORENE	410	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	410	U
91-57-6-----	2-METHYLNAPHTHALENE	410	U
91-20-3-----	NAPHTHALENE	660	
85-01-8-----	PHENANTHRENE	410	U
129-00-0-----	PYRENE	410	U
132-64-9-----	DIBENZOFURAN	410	U

**Chain or
Custody Record**

**SEVERN
TRENT**

STL

Severn Trent Laboratories, Inc.

(P)

STL-4124 (0901)

Client NYSEG		Project Manager Bert Finch		Date 6-21-04	Chain of Custody Number 137390
Address 152 Border City RD.		Telephone Number (Area Code)/Fax Number		Lab Number	Page 1 of 1

City Geneva	State Ny	Zip Code 14456	Site Contact J. Esposito	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) Border City, Geneva NY			Carrier/Waybill Number 8458-773-25573			
Contract/Purchase Order/Quote No.						

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives										HCL	PAX	bdc	X
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH							
BCVIEW0423-Q	6-21-04	1300				✓											1	1		
BCVIEW0424-Q	6-21-04	1300				✓											1	1		
BCVIEW0425-Q	6-21-04	1300				✓											1	1		
BCVIEW0426-Q	6-21-04	1300				✓											1	1		
BCVIEW0427-Q	6-21-04	1300				✓											1	1		
BCVIEW0428-Q	6-21-04	1300				✓											1	1		

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____	

1. Relinquished By <i>[Signature]</i>	Date 6-21-04	Time 1300	1. Received By <i>[Signature]</i>	Date 06/22/04	Time 09:00
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

4.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

46/287

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVIEW0423-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4588901Sample wt/vol: 5.08 (g/mL) GLab File ID: P6019.RRLevel: (low/med) LOWDate Samp/Recv: 06/21/2004 06/22/2004% Moisture: not dec. 20.3 Heated Purge: YDate Analyzed: 06/25/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE		6	U
100-41-4-----	ETHYLBENZENE		6	U
108-88-3-----	TOLUENE		6	U
1330-20-7-----	TOTAL XYLENES		18	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

19/287

Client No.

BCVLEW0423-Q

Lab Name: STL Buffalo Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL Lab Sample ID: A4588901

Sample wt/vol: 30.25 (g/mL) G Lab File ID: X60735.RR

Level: (low/med) LOW Date Samp/Recv: 06/21/2004 06/22/2004

% Moisture: 23.9 decanted: (Y/N) N Date Extracted: 06/22/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/2004

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	4300		U
208-96-8-----	ACENAPHTHYLENE	4300		U
120-12-7-----	ANTHRACENE	1900		J
56-55-3-----	BENZO (A) ANTHRACENE	8200		
205-99-2-----	BENZO (B) FLUORANTHENE	7000		
207-08-9-----	BENZO (K) FLUORANTHENE	6900		
191-24-2-----	BENZO (GHI) PERYLENE	5300		
50-32-8-----	BENZO (A) PYRENE	7900		
218-01-9-----	CHRYSENE	8300		
53-70-3-----	DIBENZO (A,H) ANTHRACENE	4300		U
206-44-0-----	FLUORANTHENE	13000		
86-73-7-----	FLUORENE	4300		U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	5600		
91-57-6-----	2-METHYLNAPHTHALENE	4300		U
91-20-3-----	NAPHTHALENE	4300		U
85-01-8-----	PHENANTHRENE	8300		
129-00-0-----	PYRENE	9100		
132-64-9-----	DIBENZOFURAN	4300		U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

14/287

Client No.

BCVLEW0424-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4588902

Sample wt/vol: 5.09 (g/mL) G

Lab File ID: P6020.RR

Level: (low/med) LOW

Date Samp/Recv: 06/21/2004 06/22/2004

% Moisture: not dec. 34.4 Heated Purge: Y

Date Analyzed: 06/25/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	7	U
100-41-4-----	ETHYLBENZENE	7	U
108-88-3-----	TOLUENE	7	U
1330-20-7-----	TOTAL XYLENES	22	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

20/287

Client No.

BCVIEW0424-Q

Lab Name: STL Buffalo Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL Lab Sample ID: A4588902

Sample wt/vol: 30.10 (g/mL) G Lab File ID: X60737.RR

Level: (low/med) LOW Date Samp/Recv: 06/21/2004 06/22/2004

% Moisture: 32.9 decanted: (Y/N) N Date Extracted: 06/22/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/2004

Injection Volume: 1.00 (uL) Dilution Factor: 100.00

EPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	49000	U
208-96-8-----	ACENAPHTHYLENE	49000	U
120-12-7-----	ANTHRACENE	59000	
56-55-3-----	BENZO (A) ANTHRACENE	170000	
205-99-2-----	BENZO (B) FLUORANTHENE	100000	
207-08-9-----	BENZO (K) FLUORANTHENE	69000	
191-24-2-----	BENZO (GHI) PERYLENE	49000	U
50-32-8-----	BENZO (A) PYRENE	100000	
218-01-9-----	CHRYSENE	130000	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	49000	U
206-44-0-----	FLUORANTHENE	290000	
86-73-7-----	FLUORENE	32000	J
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	49000	
91-57-6-----	2-METHYLNAPHTHALENE	49000	U
91-20-3-----	NAPHTHALENE	49000	U
85-01-8-----	PHENANTHRENE	190000	
129-00-0-----	PYRENE	210000	
132-64-9-----	DIBENZOFURAN	49000	U

15/287

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8260 - BTEX
 ANALYSIS DATA SHEET

Client No.

BCVIWC0425-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4588903Sample wt/vol: 5.03 (g/mL) GLab File ID: P6021.RRLevel: (low/med) LOWDate Samp/Recv: 06/21/2004 06/22/2004% Moisture: not dec. 20.9 Heated Purge: YDate Analyzed: 06/25/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	19	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

21/287

Client No.

BCVIWC0425-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4588903

Sample wt/vol: 30.84 (g/mL) G

Lab File ID: X60731.RR

Level: (low/med) LOW

Date Samp/Recv: 06/21/2004 06/22/2004

% Moisture: 22.0 decanted: (Y/N) N

Date Extracted: 06/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/23/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	410	U
208-96-8-----	ACENAPHTHYLENE	410	U
120-12-7-----	ANTHRACENE	410	U
56-55-3-----	BENZO (A) ANTHRACENE	410	U
205-99-2-----	BENZO (B) FLUORANTHENE	410	U
207-08-9-----	BENZO (K) FLUORANTHENE	410	U
191-24-2-----	BENZO (GHI) PERYLENE	410	U
50-32-8-----	BENZO (A) PYRENE	410	U
218-01-9-----	CHRYSENE	410	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	410	U
206-44-0-----	FLUORANTHENE	410	U
86-73-7-----	FLUORENE	410	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	410	U
91-57-6-----	2-METHYLNAPHTHALENE	410	U
91-20-3-----	NAPHTHALENE	410	U
85-01-8-----	PHENANTHRENE	410	U
129-00-0-----	PYRENE	410	U
132-64-9-----	DIBENZOFURAN	410	U

16/287

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8260 - BTEX
 ANALYSIS DATA SHEET

Client No.

BCVIWC0426-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4588904Sample wt/vol: 5.06 (g/mL) GLab File ID: P6022.RRLevel: (low/med) LOWDate Samp/Recv: 06/21/2004 06/22/2004% Moisture: not dec. 21.7 Heated Purge: YDate Analyzed: 06/25/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	19	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

22/287

Client No.

BCVIWC0426-Q

Lab Name: STL Buffalo Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL Lab Sample ID: A4588904

Sample wt/vol: 30.59 (g/mL) G Lab File ID: X60732.RR

Level: (low/med) LOW Date Samp/Recv: 06/21/2004 06/22/2004

% Moisture: 18.1 decanted: (Y/N) N Date Extracted: 06/22/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/23/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

SPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	400	U
208-96-8-----	ACENAPHTHYLENE	400	U
120-12-7-----	ANTHRACENE	400	U
56-55-3-----	BENZO (A) ANTHRACENE	400	U
205-99-2-----	BENZO (B) FLUORANTHENE	400	U
207-08-9-----	BENZO (K) FLUORANTHENE	400	U
191-24-2-----	BENZO (GHI) PERYLENE	400	U
50-32-8-----	BENZO (A) PYRENE	400	U
218-01-9-----	CHRYSENE	400	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	400	U
206-44-0-----	FLUORANTHENE	400	U
86-73-7-----	FLUORENE	400	U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	400	U
91-57-6-----	2-METHYLNAPHTHALENE	400	U
91-20-3-----	NAPHTHALENE	400	U
85-01-8-----	PHENANTHRENE	400	U
129-00-0-----	PYRENE	400	U
132-64-9-----	DIBENZOFURAN	400	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

17/287

Client No.

BCVIWC0427-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4588905

Sample wt/vol: 5.04 (g/mL) G

Lab File ID: P6045.RR

Level: (low/med) LOW

Date Samp/Recv: 06/21/2004 06/22/2004

% Moisture: not dec. 22.6 Heated Purge: Y

Date Analyzed: 06/26/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	19	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

23/287

Client No.

BCVIWC0427-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4588905

Sample wt/vol: 30.03 (g/mL) G

Lab File ID: X60733.RR

Level: (low/med) LOW

Date Samp/Recv: 06/21/2004 06/22/2004

% Moisture: 24.8 decanted: (Y/N) N

Date Extracted: 06/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/23/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	440	U
208-96-8-----	ACENAPHTHYLENE	440	U
120-12-7-----	ANTHRACENE	440	U
56-55-3-----	BENZO (A) ANTHRACENE	440	U
205-99-2-----	BENZO (B) FLUORANTHENE	440	U
207-08-9-----	BENZO (K) FLUORANTHENE	440	U
191-24-2-----	BENZO (GHI) PERYLENE	440	U
50-32-8-----	BENZO (A) PYRENE	440	U
218-01-9-----	CHRYSENE	440	U
53-70-3-----	DIBENZO (A,H) ANTHRACENE	440	U
206-44-0-----	FLUORANTHENE	440	U
86-73-7-----	FLUORENE	440	U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	440	U
91-57-6-----	2-METHYLNAPHTHALENE	440	U
91-20-3-----	NAPHTHALENE	440	U
85-01-8-----	PHENANTHRENE	440	U
129-00-0-----	PYRENE	440	U
132-64-9-----	DIBENZOFURAN	440	U

18/287

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVIWC0428-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4588906Sample wt/vol: 5.13 (g/mL) GLab File ID: P6046.RRLevel: (low/med) LOWDate Samp/Recv: 06/21/2004 06/22/2004% Moisture: not dec. 20.6 Heated Purge: YDate Analyzed: 06/26/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE	6		U
100-41-4-----	ETHYLBENZENE	6		U
108-88-3-----	TOLUENE	6		U
1330-20-7-----	TOTAL XYLENES	18		U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

24/287

Client No.

BCVIWC0428-Q

Lab Name: STL Buffalo Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4588906

Sample wt/vol: 30.08 (g/mL) G

Lab File ID: X60734.RR

Level: (low/med) LOW

Date Samp/Recv: 06/21/2004 06/22/2004

Moisture: 19.6 decanted: (Y/N) N

Date Extracted: 06/22/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/23/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

SPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	410	U
208-96-8-----	ACENAPHTHYLENE	410	U
120-12-7-----	ANTHRACENE	410	U
56-55-3-----	BENZO (A) ANTHRACENE	410	U
205-99-2-----	BENZO (B) FLUORANTHENE	410	U
207-08-9-----	BENZO (K) FLUORANTHENE	410	U
191-24-2-----	BENZO (GHI) PERYLENE	410	U
50-32-8-----	BENZO (A) PYRENE	410	U
218-01-9-----	CHRYSENE	410	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	410	U
206-44-0-----	FLUORANTHENE	410	U
86-73-7-----	FLUORENE	410	U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	410	U
91-57-6-----	2-METHYLNAPHTHALENE	410	U
91-20-3-----	NAPHTHALENE	410	U
85-01-8-----	PHENANTHRENE	410	U
129-00-0-----	PYRENE	410	U
132-64-9-----	DIBENZOFURAN	410	U

NEW YORK STATE ELECTRIC & GAS

20/459

NYSEG

METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVLXX0429-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4605701Sample wt/vol: 5.14 (g/mL) GLab File ID: F7228.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 22.6 Heated Purge: YDate Analyzed: 06/29/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	19	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

34/459

Client No.

BCVLXX0429-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605701

Sample wt/vol: 30.52 (g/mL) G

Lab File ID: V04816.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 20.6 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	410	U	
208-96-8-----	ACENAPHTHYLENE	410	U	
120-12-7-----	ANTHRACENE	410	U	
56-55-3-----	BENZO (A) ANTHRACENE	410	U	
205-99-2-----	BENZO (B) FLUORANTHENE	410	U	
207-08-9-----	BENZO (K) FLUORANTHENE	410	U	
191-24-2-----	BENZO (GHI) PERYLENE	410	U	
50-32-8-----	BENZO (A) PYRENE	410	U	
218-01-9-----	CHRYSENE	410	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	410	U	
206-44-0-----	FLUORANTHENE	410	U	
86-73-7-----	FLUORENE	410	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	410	U	
91-57-6-----	2-METHYLNAPHTHALENE	410	U	
91-20-3-----	NAPHTHALENE	410	U	
85-01-8-----	PHENANTHRENE	410	U	
129-00-0-----	PYRENE	410	U	
132-64-9-----	DIBENZOFURAN	410	U	

NYSEG

METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVLWW0430-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4605702Sample wt/vol: 5.03 (g/mL) GLab File ID: F7229.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 20.8 Heated Purge: YDate Analyzed: 06/29/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	19	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

33/459

Client No.

BCVLWW0430-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A4605702

Sample wt/vol: 30.53 (g/mL) G

Lab File ID: V04817.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 20.4 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	ACENAPHTHENE	410	U	
208-96-8	ACENAPHTHYLENE	410	U	
120-12-7	ANTHRACENE	410	U	
56-55-3	BENZO (A) ANTHRACENE	410	U	
205-99-2	BENZO (B) FLUORANTHENE	410	U	
207-08-9	BENZO (K) FLUORANTHENE	410	U	
191-24-2	BENZO (GHI) PERYLENE	410	U	
50-32-8	BENZO (A) PYRENE	410	U	
218-01-9	CHRYSENE	410	U	
53-70-3	DIBENZO (A, H) ANTHRACENE	410	U	
206-44-0	FLUORANTHENE	410	U	
86-73-7	FLUORENE	410	U	
193-39-5	INDENO (1, 2, 3-CD) PYRENE	410	U	
91-57-6	2-METHYLNAPHTHALENE	410	U	
91-20-3	NAPHTHALENE	410	U	
85-01-8	PHENANTHRENE	410	U	
129-00-0	PYRENE	410	U	
132-64-9	DIBENZOFURAN	410	U	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

21/459

Client No.

BCVLXX0431-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605703

Sample wt/vol: 5.19 (g/mL) G

Lab File ID: F7230.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: not dec. 21.7 Heated Purge: Y

Date Analyzed: 06/29/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

35/459

Client No.

BCVLXX0431-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605703

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V04818.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 22.5 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	420	U
208-96-8-----	ACENAPHTHYLENE	420	U
120-12-7-----	ANTHRACENE	420	U
56-55-3-----	BENZO (A) ANTHRACENE	420	U
205-99-2-----	BENZO (B) FLUORANTHENE	420	U
207-08-9-----	BENZO (K) FLUORANTHENE	420	U
191-24-2-----	BENZO (GHI) PERYLENE	420	U
50-32-8-----	BENZO (A) PYRENE	420	U
218-01-9-----	CHRYSENE	420	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	420	U
206-44-0-----	FLUORANTHENE	420	U
86-73-7-----	FLUORENE	420	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	420	U
91-57-6-----	2-METHYLNAPHTHALENE	420	U
91-20-3-----	NAPHTHALENE	420	U
85-01-8-----	PHENANTHRENE	420	U
129-00-0-----	PYRENE	420	U
132-64-9-----	DIBENZOFURAN	420	U

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVLJW0432-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4605704Sample wt/vol: 5.02 (g/mL) GLab File ID: F7231.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 10.7 Heated Purge: YDate Analyzed: 06/29/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	17	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

32/459

Client No.

BCVLJW0432-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605704

Sample wt/vol: 30.60 (g/mL) G

Lab File ID: V04819.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 13.6 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	370	U	
208-96-8-----	ACENAPHTHYLENE	370	U	
120-12-7-----	ANTHRACENE	370	U	
56-55-3-----	BENZO (A) ANTHRACENE	370	U	
205-99-2-----	BENZO (B) FLUORANTHENE	370	U	
207-08-9-----	BENZO (K) FLUORANTHENE	370	U	
191-24-2-----	BENZO (GHI) PERYLENE	370	U	
50-32-8-----	BENZO (A) PYRENE	370	U	
218-01-9-----	CHRYSENE	370	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	370	U	
206-44-0-----	FLUORANTHENE	370	U	
86-73-7-----	FLUORENE	370	U	
193-39-5-----	INDENO (1,2,3-CD) PYRENE	370	U	
91-57-6-----	2-METHYLNAPHTHALENE	370	U	
91-20-3-----	NAPHTHALENE	370	U	
85-01-8-----	PHENANTHRENE	370	U	
129-00-0-----	PYRENE	370	U	
132-64-9-----	DIBENZOFURAN	370	U	

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVLXX0433-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4605705Sample wt/vol: 5.13 (g/mL) GLab File ID: F7232.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 16.1 Heated Purge: YDate Analyzed: 06/30/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
71-43-2-----	BENZENE	6		U
100-41-4-----	ETHYLBENZENE	6		U
108-88-3-----	TOLUENE	6		U
1330-20-7-----	TOTAL XYLENES	17		U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

36/459

Client No.

BCVLXX0433-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605705

Sample wt/vol: 30.46 (g/mL) G

Lab File ID: V04820.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 14.5 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	380	U	
208-96-8-----	ACENAPHTHYLENE	380	U	
120-12-7-----	ANTHRACENE	380	U	
56-55-3-----	BENZO (A) ANTHRACENE	380	U	
205-99-2-----	BENZO (B) FLUORANTHENE	380	U	
207-08-9-----	BENZO (K) FLUORANTHENE	380	U	
191-24-2-----	BENZO (GHI) PERYLENE	380	U	
50-32-8-----	BENZO (A) PYRENE	380	U	
218-01-9-----	CHRYSENE	380	U	
53-70-3-----	DIBENZO (A,H) ANTHRACENE	380	U	
206-44-0-----	FLUORANTHENE	380	U	
86-73-7-----	FLUORENE	380	U	
193-39-5-----	INDENO (1,2,3-CD) PYRENE	380	U	
91-57-6-----	2-METHYLNAPHTHALENE	380	U	
91-20-3-----	NAPHTHALENE	380	U	
85-01-8-----	PHENANTHRENE	380	U	
129-00-0-----	PYRENE	380	U	
132-64-9-----	DIBENZOFURAN	380	U	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

17/459

Client No.

BCVLEW0434-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605706

Sample wt/vol: 5.19 (g/mL) G

Lab File ID: F7233.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: not dec. 8.1 Heated Purge: Y

Date Analyzed: 06/30/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	5	U
100-41-4-----	ETHYLBENZENE	5	U
108-88-3-----	TOLUENE	5	U
1330-20-7-----	TOTAL XYLENES	16	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

30/459

Client No.

BCVLEW0434-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605706

Sample wt/vol: 30.52 (g/mL) G

Lab File ID: V04821.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 14.0 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	ACENAPHTHENE	2300		
208-96-8	ACENAPHTHYLENE	7700		
120-12-7	ANTHRACENE	8100		
56-55-3	BENZO (A) ANTHRACENE	19000		
205-99-2	BENZO (B) FLUORANTHENE	14000		
207-08-9	BENZO (K) FLUORANTHENE	11000		
191-24-2	BENZO (GHI) PERYLENE	7400		
50-32-8	BENZO (A) PYRENE	17000		
218-01-9	CHRYSENE	17000		
53-70-3	DIBENZO (A, H) ANTHRACENE	4000		
206-44-0	FLUORANTHENE	40000		E
86-73-7	FLUORENE	6000		
193-39-5	INDENO (1, 2, 3-CD) PYRENE	7900		
91-57-6	2-METHYLNAPHTHALENE	590		J
91-20-3	NAPHTHALENE	3300		
85-01-8	PHENANTHRENE	27000		
129-00-0	PYRENE	28000		
132-64-9	DIBENZOFURAN	3600		

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

23/459

Client No.

BCVLXX0435-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605707

Sample wt/vol: 5.19 (g/mL) G

Lab File ID: F7234.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: not dec. 20.5 Heated Purge: Y

Date Analyzed: 06/30/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

37/459

Client No.

BCVLXX0435-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605707

Sample wt/vol: 30.34 (g/mL) G

Lab File ID: V04822.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 16.6 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	390	U	
208-96-8-----	ACENAPHTHYLENE	390	U	
120-12-7-----	ANTHRACENE	390	U	
56-55-3-----	BENZO (A) ANTHRACENE	390	U	
205-99-2-----	BENZO (B) FLUORANTHENE	390	U	
207-08-9-----	BENZO (K) FLUORANTHENE	390	U	
191-24-2-----	BENZO (GHI) PERYLENE	390	U	
50-32-8-----	BENZO (A) PYRENE	390	U	
218-01-9-----	CHRYSENE	390	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	390	U	
206-44-0-----	FLUORANTHENE	390	U	
86-73-7-----	FLUORENE	390	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	390	U	
91-57-6-----	2-METHYLNAPHTHALENE	390	U	
91-20-3-----	NAPHTHALENE	390	U	
85-01-8-----	PHENANTHRENE	390	U	
129-00-0-----	PYRENE	390	U	
132-64-9-----	DIBENZOFURAN	390	U	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

12/459

Client No.

BCVINW0436-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605708

Sample wt/vol: 5.02 (g/mL) G

Lab File ID: F7235.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: not dec. 15.2 Heated Purge: Y

Date Analyzed: 06/30/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

25/459

Client No.

BCVINW0436-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605708

Sample wt/vol: 30.25 (g/mL) G

Lab File ID: V04823.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 14.3 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	1900	U
208-96-8-----	ACENAPHTHYLENE	1900	U
120-12-7-----	ANTHRACENE	1900	U
56-55-3-----	BENZO (A) ANTHRACENE	1900	U
205-99-2-----	BENZO (B) FLUORANTHENE	920	J
207-08-9-----	BENZO (K) FLUORANTHENE	1900	U
191-24-2-----	BENZO (GHI) PERYLENE	1900	U
50-32-8-----	BENZO (A) PYRENE	940	J
218-01-9-----	CHRYSENE	980	J
53-70-3-----	DIBENZO (A, H) ANTHRACENE	1900	U
206-44-0-----	FLUORANTHENE	870	J
86-73-7-----	FLUORENE	1900	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	1900	U
91-57-6-----	2-METHYLNAPHTHALENE	1900	U
91-20-3-----	NAPHTHALENE	1900	U
85-01-8-----	PHENANTHRENE	610	J
129-00-0-----	PYRENE	870	J
132-64-9-----	DIBENZOFURAN	1900	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

13/459

Client No.

BCVINW0437-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605709

Sample wt/vol: 5.19 (g/mL) G

Lab File ID: F7236.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: not dec. 34.7 Heated Purge: Y

Date Analyzed: 06/30/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	7	U
100-41-4-----	ETHYLBENZENE	7	U
108-88-3-----	TOLUENE	7	U
1330-20-7-----	TOTAL XYLENES	22	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

26/459

Client No.

BCVINW0437-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605709

Sample wt/vol: 30.95 (g/mL) G

Lab File ID: V04824.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 25.4 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	2100		U
208-96-8-----	ACENAPHTHYLENE	2000		J
120-12-7-----	ANTHRACENE	1100		J
56-55-3-----	BENZO (A) ANTHRACENE	4000		
205-99-2-----	BENZO (B) FLUORANTHENE	4100		
207-08-9-----	BENZO (K) FLUORANTHENE	3800		
191-24-2-----	BENZO (GHI) PERYLENE	2600		
50-32-8-----	BENZO (A) PYRENE	4700		
218-01-9-----	CHRYSENE	4000		
53-70-3-----	DIBENZO (A, H) ANTHRACENE	2100		U
206-44-0-----	FLUORANTHENE	4600		
86-73-7-----	FLUORENE	2100		U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	2700		
91-57-6-----	2-METHYLNAPHTHALENE	2100		U
91-20-3-----	NAPHTHALENE	2100		U
85-01-8-----	PHENANTHRENE	1600		J
129-00-0-----	PYRENE	4300		
132-64-9-----	DIBENZOFURAN	2100		U

NEW YORK STATE ELECTRIC & GAS

14/459

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVINW0438-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4605710Sample wt/vol: 5.15 (g/mL) GLab File ID: F7237.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 17.5 Heated Purge: YDate Analyzed: 06/30/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

27/459

Client No.

BCVINW0438-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605710

Sample wt/vol: 30.37 (g/mL) G

Lab File ID: V04825.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 19.2 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	2000		U
208-96-8-----	ACENAPHTHYLENE	760		J
120-12-7-----	ANTHRACENE	1800		J
56-55-3-----	BENZO (A) ANTHRACENE	7500		
205-99-2-----	BENZO (B) FLUORANTHENE	6300		
207-08-9-----	BENZO (K) FLUORANTHENE	5600		
191-24-2-----	BENZO (GHI) PERYLENE	4400		
50-32-8-----	BENZO (A) PYRENE	7700		
218-01-9-----	CHRYSENE	7200		
53-70-3-----	DIBENZO (A,H) ANTHRACENE	2000		
206-44-0-----	FLUORANTHENE	11000		
86-73-7-----	FLUORENE	2000		U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	4400		
91-57-6-----	2-METHYLNAPHTHALENE	2000		U
91-20-3-----	NAPHTHALENE	2000		U
85-01-8-----	PHENANTHRENE	5900		
129-00-0-----	PYRENE	9400		
132-64-9-----	DIBENZOFURAN	2000		U

NEW YORK STATE ELECTRIC & GAS

15/459

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVINW0439-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4605711Sample wt/vol: 5.08 (g/mL) GLab File ID: F7238.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 22.0 Heated Purge: YDate Analyzed: 06/30/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	19	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

28/459

Client No.

BCVINW0439-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605711

Sample wt/vol: 30.56 (g/mL) G

Lab File ID: V04826.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 23.3 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	420	U	
208-96-8-----	ACENAPHTHYLENE	420	U	
120-12-7-----	ANTHRACENE	420	U	
56-55-3-----	BENZO (A) ANTHRACENE	420	U	
205-99-2-----	BENZO (B) FLUORANTHENE	420	U	
207-08-9-----	BENZO (K) FLUORANTHENE	420	U	
191-24-2-----	BENZO (GHI) PERYLENE	420	U	
50-32-8-----	BENZO (A) PYRENE	420	U	
218-01-9-----	CHRYSENE	420	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	420	U	
206-44-0-----	FLUORANTHENE	420	U	
86-73-7-----	FLUORENE	420	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	420	U	
91-57-6-----	2-METHYLNAPHTHALENE	420	U	
91-20-3-----	NAPHTHALENE	420	U	
85-01-8-----	PHENANTHRENE	420	U	
129-00-0-----	PYRENE	420	U	
132-64-9-----	DIBENZOFURAN	420	U	

NEW YORK STATE ELECTRIC & GAS

16/459

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVIXX0440

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4605712Sample wt/vol: 5.00 (g/mL) GLab File ID: F7239.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 18.8 Heated Purge: YDate Analyzed: 06/30/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE	6		U
100-41-4-----	ETHYLBENZENE	6		U
108-88-3-----	TOLUENE	6		U
1330-20-7-----	TOTAL XYLENES	18		U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

29/459

Client No.

BCVIXX0440

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4605712

Sample wt/vol: 30.66 (g/mL) G

Lab File ID: V04827.RR

Level: (low/med) LOW

Date Samp/Recv: 06/24/2004 06/25/2004

% Moisture: 21.1 decanted: (Y/N) N

Date Extracted: 06/26/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	410	U	
208-96-8-----	ACENAPHTHYLENE	410	U	
120-12-7-----	ANTHRACENE	410	U	
56-55-3-----	BENZO (A) ANTHRACENE	410	U	
205-99-2-----	BENZO (B) FLUORANTHENE	410	U	
207-08-9-----	BENZO (K) FLUORANTHENE	410	U	
191-24-2-----	BENZO (GHI) PERYLENE	410	U	
50-32-8-----	BENZO (A) PYRENE	170	J	
218-01-9-----	CHRYSENE	410	U	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	410	U	
206-44-0-----	FLUORANTHENE	410	U	
86-73-7-----	FLUORENE	410	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	410	U	
91-57-6-----	2-METHYLNAPHTHALENE	410	U	
91-20-3-----	NAPHTHALENE	410	U	
85-01-8-----	PHENANTHRENE	410	U	
129-00-0-----	PYRENE	160	J	
132-64-9-----	DIBENZOFURAN	410	U	

STL

Severn Trent Laboratories, Inc.

9

Client NYSEG		Project Manager Bert Finch		Date 6-25-04	Chain of Custody Number 166160	
Address 152 Border City Rd.		Telephone Number (Area Code)/Fax Number 315-781-2953		Lab Number		Page _____ of _____
City Geneva	State NY	Zip Code 14456	Site Contact J.E. POKILO	Lab Contact R. Munn	Analysis (Attach list if more space is needed)	
Project Name and Location (State) Border City MCP			Carrier/Waybill Number		Special Instructions/ Conditions of Receipt	
Contract/Purchase Order/Quote No.			Containers &		7244 EX meets Chem.	

Contract/Purchase Order/Quote No.			Matrix					Containers & Preservatives						HSLPA		BTE		Sediment Wastec		Conditions of Receipt	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Conc.	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH								
BCVIXX0441	6-24-01	1300				X									1	1				802 Jar	
BCVINW0442	"					X									1	1				802 Jar	
BCVIXX0443	"					X									1	1				802 Jar	
BCVINW0444	"					X									1	1				802 Jar	
BCWXSE0445	"						X										1			802 Jar	
BCWXSE0446	"						X										1			802 Jar	
BCWXSE0447	"						X										1			802 Jar	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

☐ *Return To Client*☐ Disposal By Lab☐ Archive For

Months

(A fee may be assessed if samples are retained longer than 1 month)

☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other

1. Received By 

Date	Time
4-25-02	1:30

09 70 52

Date 06/25/04 Time 1800

Date	Time

Date _____ Time _____

Date	Time

<i>Date</i>	<i>Time</i>

4.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

38/218

NYSEG

METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVIXX0441

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4607501Sample wt/vol: 5.05 (g/mL) GLab File ID: P6140.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 17.8 Heated Purge: YDate Analyzed: 06/29/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	1	J
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

19/218

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

Client No.

BCVIXX0441

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4607501Sample wt/vol: 30.20 (g/mL) GLab File ID: X60774.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: 17.7 decanted: (Y/N) NDate Extracted: 06/25/2004Concentrated Extract Volume: 1000 (uL)Date Analyzed: 06/28/2004Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	400	U
208-96-8-----	ACENAPHTHYLENE	400	U
120-12-7-----	ANTHRACENE	400	U
56-55-3-----	BENZO (A) ANTHRACENE	400	U
205-99-2-----	BENZO (B) FLUORANTHENE	400	U
207-08-9-----	BENZO (K) FLUORANTHENE	400	U
191-24-2-----	BENZO (GHI) PERYLENE	400	U
50-32-8-----	BENZO (A) PYRENE	400	U
218-01-9-----	CHRYSENE	400	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	400	U
206-44-0-----	FLUORANTHENE	400	U
86-73-7-----	FLUORENE	400	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	400	U
91-57-6-----	2-METHYLNAPHTHALENE	400	U
91-20-3-----	NAPHTHALENE	400	U
85-01-8-----	PHENANTHRENE	400	U
129-00-0-----	PYRENE	400	U
132-64-9-----	DIBENZOFURAN	400	U

NYSEG

METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVINW0442

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4607502Sample wt/vol: 5.03 (g/mL) GLab File ID: P6143.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 23.6 Heated Purge: YDate Analyzed: 06/29/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	20	U

17/218

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

Client No.

BCVINW0442

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4607502Sample wt/vol: 30.60 (g/mL) GLab File ID: X60775.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: 21.8 decanted: (Y/N) NDate Extracted: 06/26/2004Concentrated Extract Volume: 1000 (uL)Date Analyzed: 06/28/2004Injection Volume: 1.00 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	4100	U
208-96-8-----	ACENAPHTHYLENE	4100	U
120-12-7-----	ANTHRACENE	4100	U
56-55-3-----	BENZO (A) ANTHRACENE	4100	U
205-99-2-----	BENZO (B) FLUORANTHENE	3000	J
207-08-9-----	BENZO (K) FLUORANTHENE	2900	J
191-24-2-----	BENZO (GHI) PERYLENE	4100	U
50-32-8-----	BENZO (A) PYRENE	1500	J
218-01-9-----	CHRYSENE	2000	J
53-70-3-----	DIBENZO (A, H) ANTHRACENE	4100	U
206-44-0-----	FLUORANTHENE	2500	J
86-73-7-----	FLUORENE	4100	U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	4100	U
91-57-6-----	2-METHYLNAPHTHALENE	4100	U
91-20-3-----	NAPHTHALENE	4100	U
85-01-8-----	PHENANTHRENE	4100	U
129-00-0-----	PYRENE	2000	J
132-64-9-----	DIBENZOFURAN	4100	U

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVIXX0443

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4607503Sample wt/vol: 5.21 (g/mL) GLab File ID: P6141.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 20.7 Heated Purge: YDate Analyzed: 06/29/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

20/218

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

Client No.

BCVIXX0443

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4607503Sample wt/vol: 30.93 (g/mL) GLab File ID: X60776.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: 18.3 decanted: (Y/N) NDate Extracted: 06/26/2004Concentrated Extract Volume: 1000 (uL)Date Analyzed: 06/28/2004Injection Volume: 1.00 (uL)Dilution Factor: 1.00EPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	390	U
208-96-8-----	ACENAPHTHYLENE	390	U
120-12-7-----	ANTHRACENE	390	U
56-55-3-----	BENZO (A) ANTHRACENE	390	U
205-99-2-----	BENZO (B) FLUORANTHENE	390	U
207-08-9-----	BENZO (K) FLUORANTHENE	390	U
191-24-2-----	BENZO (GHI) PERYLENE	390	U
50-32-8-----	BENZO (A) PYRENE	390	U
218-01-9-----	CHRYSENE	390	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	390	U
206-44-0-----	FLUORANTHENE	390	U
86-73-7-----	FLUORENE	390	U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	390	U
91-57-6-----	2-METHYLNAPHTHALENE	390	U
91-20-3-----	NAPHTHALENE	390	U
85-01-8-----	PHENANTHRENE	390	U
129-00-0-----	PYRENE	390	U
132-64-9-----	DIBENZOFURAN	390	U

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVINW0444

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4607504Sample wt/vol: 5.01 (g/mL) GLab File ID: P6142.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: not dec. 20.6 Heated Purge: YDate Analyzed: 06/29/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE	6		U
100-41-4-----	ETHYLBENZENE	6		U
108-88-3-----	TOLUENE	6		U
1330-20-7-----	TOTAL XYLENES	19		U

18/218

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

Client No.

BCVINW0444

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4607504Sample wt/vol: 30.23 (g/mL) GLab File ID: X60777.RRLevel: (low/med) LOWDate Samp/Recv: 06/24/2004 06/25/2004% Moisture: 22.7 decanted: (Y/N) NDate Extracted: 06/26/2004Concentrated Extract Volume: 1000 (uL)Date Analyzed: 06/28/2004Injection Volume: 1.00 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	4200	U
208-96-8-----	ACENAPHTHYLENE	4200	U
120-12-7-----	ANTHRACENE	4200	U
56-55-3-----	BENZO (A) ANTHRACENE	4200	U
205-99-2-----	BENZO (B) FLUORANTHENE	4200	U
207-08-9-----	BENZO (K) FLUORANTHENE	4200	U
191-24-2-----	BENZO (GHI) PERYLENE	4200	U
50-32-8-----	BENZO (A) PYRENE	4200	U
218-01-9-----	CHRYSENE	4200	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	4200	U
206-44-0-----	FLUORANTHENE	4200	U
86-73-7-----	FLUORENE	4200	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	4200	U
91-57-6-----	2-METHYLNAPHTHALENE	4200	U
91-20-3-----	NAPHTHALENE	4200	U
85-01-8-----	PHENANTHRENE	4200	U
129-00-0-----	PYRENE	1800	J
132-64-9-----	DIBENZOFURAN	4200	U

NYSEG

152 Border City Rd.
Geneva, NY 14456

PR Man.

Bert Finch

315-781-2953

Lab Contact

Ron Mazur

30/171

Ⓚ

Date

6-25-04 ✓

Project Name

Border City MAP

Sample I.D. BCUIXX0448 ✓

bTEX 1 ✓

HSL PAH 1 ✓

M/W

STL - Buffalo

06/29/04 ✓

09248

2.0°C ✓

11/171

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVIXX0448

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4611401Sample wt/vol: 5.05 (g/mL) GLab File ID: Q8113.RRLevel: (low/med) LOWDate Samp/Recv: 06/25/2004 06/29/2004% Moisture: not dec. 20.8 Heated Purge: YDate Analyzed: 06/30/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	19	U

12/171

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

Client No.

BCVIXX0448

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4611401Sample wt/vol: 30.69 (g/mL) GLab File ID: V04890.RRLevel: (low/med) LOWDate Samp/Recv: 06/25/2004 06/29/2004% Moisture: 17.4 decanted: (Y/N) NDate Extracted: 06/30/2004Concentrated Extract Volume: 1000 (uL)Date Analyzed: 07/02/2004Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	390	U
208-96-8-----	ACENAPHTHYLENE	390	U
120-12-7-----	ANTHRACENE	390	U
56-55-3-----	BENZO (A) ANTHRACENE	390	U
205-99-2-----	BENZO (B) FLUORANTHENE	390	U
207-08-9-----	BENZO (K) FLUORANTHENE	390	U
191-24-2-----	BENZO (GHI) PERYLENE	390	U
50-32-8-----	BENZO (A) PYRENE	390	U
218-01-9-----	CHRYSENE	390	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	390	U
206-44-0-----	FLUORANTHENE	390	U
86-73-7-----	FLUORENE	390	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	390	U
91-57-6-----	2-METHYLNAPHTHALENE	390	U
91-20-3-----	NAPHTHALENE	390	U
85-01-8-----	PHENANTHRENE	390	U
129-00-0-----	PYRENE	390	U
132-64-9-----	DIBENZOFURAN	390	U

**Chain or
Custody Record**

**SEVERN
TRENT**

STL

Severn Trent Laboratories, Inc.

TC-PH

STL-4124 (0901)

Client N-SEU - Border City		Project Manager Bert Finch		Date 6/21/04	Chain of Custody Number 166666
Address 152 Border City Rd.		Telephone Number (Area Code)/Fax Number 315-781-2953		Lab Number	Page 1 of 1

City Geneva	State NY	Zip Code 14456	Site Contact J. Esposito	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) Border City - Geneva			Carrier/Waybill Number 8458-733-5530		Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No.					

Contract/Purchase Order/Quote No. 1			Matrix				Containers & Preservatives																Conditions of Receipt						
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	H2PAH	bTEX	benzene	Flashpoint	Ph	HsRel	CNRE										
BLVIXX0449-Q	6/21/04	1100				X								1	1														
BLVINW0450-Q	1	1400				X								1	1														
BLAXWX0451	1	1100		X												1	1	1	1	1									
BLVINWXX0452-Q	1	1300				X								1	1														
BLVINW0453-Q	1	1300				X								1	1														

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____	

1. Relinquished By <i>[Signature]</i>	Date 6-29-04	Time 1300	1. Received By <i>[Signature]</i>	Date 06/30/04	Time 1015
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

4.8°C

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

14/246

Client No.

BCVIXX0449-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4617501

Sample wt/vol: 5.08 (g/mL) G

Lab File ID: P6204.RR

Level: (low/med) LOW

Date Samp/Recv: 06/29/2004 06/30/2004

% Moisture: not dec. 18.6 Heated Purge: Y

Date Analyzed: 07/01/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	18	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

18/246

Client No.

BCVIXX0449-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4617501

Sample wt/vol: 30.93 (g/mL) G

Lab File ID: V04876.RR

Level: (low/med) LOW

Date Samp/Recv: 06/29/2004 06/30/2004

% Moisture: 18.6 decanted: (Y/N) N

Date Extracted: 07/01/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/01/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	390	U
208-96-8-----	ACENAPHTHYLENE	390	U
120-12-7-----	ANTHRACENE	390	U
56-55-3-----	BENZO (A) ANTHRACENE	390	U
205-99-2-----	BENZO (B) FLUORANTHENE	390	U
207-08-9-----	BENZO (K) FLUORANTHENE	390	U
191-24-2-----	BENZO (GHI) PERYLENE	390	U
50-32-8-----	BENZO (A) PYRENE	390	U
218-01-9-----	CHRYSENE	390	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	390	U
206-44-0-----	FLUORANTHENE	390	U
86-73-7-----	FLUORENE	390	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	390	U
91-57-6-----	2-METHYLNAPHTHALENE	390	U
91-20-3-----	NAPHTHALENE	390	U
85-01-8-----	PHENANTHRENE	390	U
129-00-0-----	PYRENE	390	U
132-64-9-----	DIBENZOFURAN	390	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

12/246

Client No.

BCVINW0450-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4617502

Sample wt/vol: 5.04 (g/mL) G

Lab File ID: P6205.RR

Level: (low/med) LOW

Date Samp/Recv: 06/29/2004 06/30/2004

% Moisture: not dec. 13.0 Heated Purge: Y

Date Analyzed: 07/01/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	17	U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

16/246

Client No.

BCVINW0450-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4617502

Sample wt/vol: 30.10 (g/mL) G

Lab File ID: V04877.RR

Level: (low/med) LOW

Date Samp/Recv: 06/29/2004 06/30/2004

% Moisture: 13.0 decanted: (Y/N) N

Date Extracted: 07/01/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/01/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	380	U	
208-96-8-----	ACENAPHTHYLENE	380	U	
120-12-7-----	ANTHRACENE	380	U	
56-55-3-----	BENZO (A) ANTHRACENE	270	J	
205-99-2-----	BENZO (B) FLUORANTHENE	240	J	
207-08-9-----	BENZO (K) FLUORANTHENE	200	J	
191-24-2-----	BENZO (GHI) PERYLENE	380	U	
50-32-8-----	BENZO (A) PYRENE	240	J	
218-01-9-----	CHRYSENE	290	J	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	380	U	
206-44-0-----	FLUORANTHENE	450		
86-73-7-----	FLUORENE	380	U	
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	380	U	
91-57-6-----	2-METHYLNAPHTHALENE	380	U	
91-20-3-----	NAPHTHALENE	380	U	
85-01-8-----	PHENANTHRENE	210	J	
129-00-0-----	PYRENE	390		
132-64-9-----	DIBENZOFURAN	380	U	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

15/246

Client No.

BCVIXX0452-Q

Lab Name: STL Buffalo

Contract: EEMC MSEPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4617503

Sample wt/vol: 5.06 (g/mL) G

Lab File ID: P6206.RR

Level: (low/med) LOW

Date Samp/Recv: 06/29/2004 06/30/2004

% Moisture: not dec. 14.9 Heated Purge: Y

Date Analyzed: 07/01/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE	6	U	
100-41-4-----	ETHYLBENZENE	6	U	
108-88-3-----	TOLUENE	6	U	
1330-20-7-----	TOTAL XYLENES	17	U	

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

19/246

Client No.

BCVIXX0452-Q

Lab Name: STL Buffalo Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL Lab Sample ID: A4617503

Sample wt/vol: 30.23 (g/mL) G Lab File ID: V04878.RR

Level: (low/med) LOW Date Samp/Recv: 06/29/2004 06/30/2004

% Moisture: 14.9 decanted: (Y/N) N Date Extracted: 07/01/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/01/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	380	U
208-96-8-----	ACENAPHTHYLENE	380	U
120-12-7-----	ANTHRACENE	380	U
56-55-3-----	BENZO (A) ANTHRACENE	380	U
205-99-2-----	BENZO (B) FLUORANTHENE	380	U
207-08-9-----	BENZO (K) FLUORANTHENE	380	U
191-24-2-----	BENZO (GHI) PERYLENE	380	U
50-32-8-----	BENZO (A) PYRENE	380	U
218-01-9-----	CHRYSENE	380	U
53-70-3-----	DIBENZO (A, H) ANTHRACENE	380	U
206-44-0-----	FLUORANTHENE	380	U
86-73-7-----	FLUORENE	380	U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	380	U
91-57-6-----	2-METHYLNAPHTHALENE	380	U
91-20-3-----	NAPHTHALENE	380	U
85-01-8-----	PHENANTHRENE	380	U
129-00-0-----	PYRENE	380	U
132-64-9-----	DIBENZOFURAN	380	U

NYSEG

METHOD 8260 - BTEX

ANALYSIS DATA SHEET

Client No.

BCVINW0453-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4617504Sample wt/vol: 5.01 (g/mL) GLab File ID: P6207.RRLevel: (low/med) LOWDate Samp/Recv: 06/29/2004 06/30/2004% Moisture: not dec. 8.5 Heated Purge: YDate Analyzed: 07/01/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE	5		U
100-41-4-----	ETHYLBENZENE	5		U
108-88-3-----	TOLUENE	5		U
1330-20-7-----	TOTAL XYLENES	16		U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

17/246

Client No.

BCVINW0453-Q

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4617504

Sample wt/vol: 30.70 (g/mL) G

Lab File ID: V04879.RR

Level: (low/med) LOW

Date Samp/Recv: 06/29/2004 06/30/2004

% Moisture: 8.5 decanted: (Y/N) N

Date Extracted: 07/01/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/01/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	1100		J
208-96-8-----	ACENAPHTHYLENE	1800		U
120-12-7-----	ANTHRACENE	4000		
56-55-3-----	BENZO (A) ANTHRACENE	7100		
205-99-2-----	BENZO (B) FLUORANTHENE	5600		
207-08-9-----	BENZO (K) FLUORANTHENE	3600		
191-24-2-----	BENZO (GHI) PERYLENE	2200		
50-32-8-----	BENZO (A) PYRENE	5000		
218-01-9-----	CHRYSENE	6800		
53-70-3-----	DIBENZO (A, H) ANTHRACENE	1800		U
206-44-0-----	FLUORANTHENE	18000		
86-73-7-----	FLUORENE	1500		J
193-39-5-----	INDENO (1,2,3-CD) PYRENE	2200		
91-57-6-----	2-METHYLNAPHTHALENE	1800		U
91-20-3-----	NAPHTHALENE	1800		U
85-01-8-----	PHENANTHRENE	16000		
129-00-0-----	PYRENE	14000		
132-64-9-----	DIBENZOFURAN	1800		U

[REDACTED]

STL

②

Client N7SEC	Project Manager Bert Finch		Date 6-30-04	Chain of Custody Number 166663	
Address 152 Border City Rd.	Telephone Number (Area Code)Fax Number		Lab Number		Page 1 of 1
City Ceneva	State Ny	Zip Code 14450	Site Contact J. Espino	Lab Contact R. Mizer	Analysis (Attach list if more space is needed)
Project Name and Location (State) Border City			Carrier/Waybill Number 8458-7733-5507		
Contract/Purchase Order/Quote No.			Containers &		
Special Instructions/Conditions of Receipt					

[illegible]

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify)

Date	07/01/14	Time	0945
Date		Time	
Date		Time	

2. Received By

Date _____ Time _____

3. Received By

Comments

2. 000

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVLXX0455

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4622401Sample wt/vol: 5.18 (g/mL) GLab File ID: P6225.RRLevel: (low/med) LOWDate Samp/Recv: 06/30/2004 07/01/2004% Moisture: not dec. 13.3 Heated Purge: YDate Analyzed: 07/02/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71-43-2-----	BENZENE	10		
100-41-4-----	ETHYLBENZENE	6		U
108-88-3-----	TOLUENE	6		U
1330-20-7-----	TOTAL XYLENES	17		U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8270-HSL PAH + DIBENZOFURAN
ANALYSIS DATA SHEET

15/211

Client No.

BCVIXX0455

Lab Name: STL Buffalo Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL Lab Sample ID: A4622401

Sample wt/vol: 30.07 (g/mL) G Lab File ID: Y61263.RR

Level: (low/med) LOW Date Samp/Recv: 06/30/2004 07/01/2004

% Moisture: 14.1 decanted: (Y/N) N Date Extracted: 07/01/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/2004

Injection Volume: 1.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	ACENAPHTHENE	1500		U
208-96-8-----	ACENAPHTHYLENE	1500		U
120-12-7-----	ANTHRACENE	870		J
56-55-3-----	BENZO (A) ANTHRACENE	2400		
205-99-2-----	BENZO (B) FLUORANTHENE	1800		
207-08-9-----	BENZO (K) FLUORANTHENE	2500		
191-24-2-----	BENZO (GHI) PERYLENE	1500		U
50-32-8-----	BENZO (A) PYRENE	2400		
218-01-9-----	CHRYSENE	2200		
53-70-3-----	DIBENZO (A, H) ANTHRACENE	1500		U
206-44-0-----	FLUORANTHENE	3500		
86-73-7-----	FLUORENE	1500		U
193-39-5-----	INDENO (1, 2, 3-CD) PYRENE	1500		U
91-57-6-----	2-METHYLNAPHTHALENE	1500		U
91-20-3-----	NAPHTHALENE	1500		U
85-01-8-----	PHENANTHRENE	2200		
129-00-0-----	PYRENE	2700		
132-64-9-----	DIBENZOFURAN	1500		U

NEW YORK STATE ELECTRIC & GAS
NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

12/211

Client No.

BCVIEW0456

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4622402

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: P6226.RR

Level: (low/med) LOW

Date Samp/Recv: 06/30/2004 07/01/2004

% Moisture: not dec. 23.7 Heated Purge: Y

Date Analyzed: 07/02/2004

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	6	U
100-41-4-----	ETHYLBENZENE	6	U
108-88-3-----	TOLUENE	6	U
1330-20-7-----	TOTAL XYLENES	20	U

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

14/211

Client No.

BCVIEW0456

Lab Name: STL Buffalo

Contract: EEMC MSPA

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

Matrix: (soil/water) SOIL

Lab Sample ID: A4622402

Sample wt/vol: 30.51 (g/mL) G

Lab File ID: Y61264.RR

Level: (low/med) LOW

Date Samp/Recv: 06/30/2004 07/01/2004

% Moisture: 60.7 decanted: (Y/N) N

Date Extracted: 07/01/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/02/2004

Injection Volume: 1.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	3300	U
208-96-8-----	ACENAPHTHYLENE	3300	U
120-12-7-----	ANTHRACENE	2100	J
56-55-3-----	BENZO (A) ANTHRACENE	9700	
205-99-2-----	BENZO (B) FLUORANTHENE	10000	
207-08-9-----	BENZO (K) FLUORANTHENE	6600	
191-24-2-----	BENZO (GHI) PERYLENE	2400	J
50-32-8-----	BENZO (A) PYRENE	8600	
218-01-9-----	CHRYSENE	9200	
53-70-3-----	DIBENZO (A, H) ANTHRACENE	3300	U
206-44-0-----	FLUORANTHENE	14000	
86-73-7-----	FLUORENE	3300	U
193-39-5-----	INDENO (1,2,3-CD) PYRENE	2900	J
91-57-6-----	2-METHYLNAPHTHALENE	3300	U
91-20-3-----	NAPHTHALENE	3300	U
85-01-8-----	PHENANTHRENE	4600	
129-00-0-----	PYRENE	12000	
132-64-9-----	DIBENZOFURAN	3300	U

[REDACTED] [REDACTED]

STL

Severn Trent Laboratories, Inc.

Q

Client NYSEG	Project Manager Bert Finch	Date 7/6/04	Chain of Custody Number 166792
Address 152 Border City Rd.	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1

City Geneva	State NY	Zip Code 14456	Site Contact J. Espino	Lab Contact R. Muzuv	Analysis (Attach list if more space is needed)										Special Instructions/
Project Name and Location (State) Border City			Carrier/Waybill Number		1	2	3	4	5	6	7	8	9	10	

Contract/Purchase Order/Quote No.	Matrix	Containers & Preservatives	155 Rel P-PA ex	Conditions of Receipt

[illegible]

Possible Hazard Identification					Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ Return To Client	☐ Disposal By Lab	☐ Archive For _____ Months	

Turn Around Time Required ☒ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

1. Relinquished By <i>[Signature]</i>	Date 7/6/14	Time 1300	1. Received By <i>[Signature]</i>	Date 07/17/14	Time 10:00
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

5.2°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

41/238

NEW YORK STATE ELECTRIC & GAS

14/238

NYSEG
METHOD 8260 - BTEX
ANALYSIS DATA SHEET

Client No.

BCVIXX0458-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4633401Sample wt/vol: 4.15 (g/mL) GLab File ID: R8754.RRLevel: (low/med) MEDDate Samp/Recv: 07/06/2004 07/07/2004% Moisture: not dec. 20.5 Heated Purge: NDate Analyzed: 07/14/2004GC Column: DB-624 ID: 0.20 (mm)Dilution Factor: 100.00Soil Extract Volume: 10000 (uL)Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71-43-2-----	BENZENE	180000	J
100-41-4-----	ETHYLBENZENE	34000	
108-88-3-----	TOLUENE	340000	
1330-20-7-----	TOTAL XYLENES	650000	

15/238

NEW YORK STATE ELECTRIC & GAS
 NYSEG
 METHOD 8270-HSL PAH + DIBENZOFURAN
 ANALYSIS DATA SHEET

Client No.

BCVIXX0458-Q

Lab Name: STL BuffaloContract: EEMC MSPALab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOILLab Sample ID: A4633401Sample wt/vol: 30.58 (g/mL) GLab File ID: X60861.RRLevel: (low/med) LOWDate Samp/Recv: 07/06/2004 07/07/2004% Moisture: 22.7 decanted: (Y/N) YDate Extracted: 07/09/2004Concentrated Extract Volume: 10000 (uL)Date Analyzed: 07/09/2004Injection Volume: 1.00 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	ACENAPHTHENE	43000	
208-96-8-----	ACENAPHTHYLENE	540000	
120-12-7-----	ANTHRACENE	440000	
56-55-3-----	BENZO (A) ANTHRACENE	370000	
205-99-2-----	BENZO (B) FLUORANTHENE	210000	
207-08-9-----	BENZO (K) FLUORANTHENE	180000	
191-24-2-----	BENZO (GHI) PERYLENE	61000	
50-32-8-----	BENZO (A) PYRENE	250000	
218-01-9-----	CHRYSENE	290000	
53-70-3-----	DIBENZO (A,H) ANTHRACENE	42000	U
206-44-0-----	FLUORANTHENE	870000	E
86-73-7-----	FLUORENE	480000	
193-39-5-----	INDENO (1,2,3-CD) PYRENE	78000	
91-57-6-----	2-METHYLNAPHTHALENE	640000	
91-20-3-----	NAPHTHALENE	3400000	BE
85-01-8-----	PHENANTHRENE	1700000	E
129-00-0-----	PYRENE	620000	
132-64-9-----	DIBENZOFURAN	360000	

APPENDIX F

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 26May04

SOIL SAMPLES for VOLATILE ORGANICS

BCVICR0413 (A4504001)
BCVICR0414 (A4504002)

**DATA USABILITY
SUMMARY REPORT**

**GENEVA, BORDER CITY
FORMER MGP SITE**

**SAMPLED 05/19/04 - 07/06/04
VOLUME 1 of 2**

**VOLATILES (BTEX)
SEMIVOLATILES (PAH)**

Prepared for:

**NEW YORK STATE ELECTRIC and GAS CORP.
P.O. Box 5224
Binghamton, NY 13902-5224**

Prepared by:

**DATAVAL, Inc.
518 Hooper Rd., PMB 283
Endwell, NY 13760**

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 19May04

SOIL SAMPLES for VOLATILE ORGANICS

GBVICR0402	(A4479902)
GBVICR0404	(A4479904)
GBVICR0406	(A4479906)
GBVICR0408	(A4479908)
GBVIEW0401	(A4479901)
GBVISW0403	(A4479903)
GBVISW0405	(A4479905)
GBVISW0407	(A4479907)

DATA ASSESSMENT

A volatile organics data package containing analytical results for eight soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

The VOA results reported from this group of samples have been qualified as estimations due to poor matrix spike recoveries.

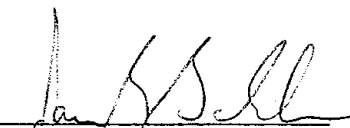
CORRECTNESS AND USABILITY

A Trip Blank dated 19May04 was analyzed with this delivery group. It is noted that this sample does not appear on the Custody Chain. The Trip Blank was clean.

Reported data should be considered technically defensible and completely usable in its present form. Reported concentrations that are felt to provide a usable estimation of the conditions being measured have been flagged "J" or "UJ". Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included eight soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 19May04 and delivered to the laboratory on 21May04. The laboratory record indicates that the samples were received intact and properly chilled. Cooler temperatures of 3.0°C were recorded at the time of receipt. The analysis of each sample was completed by 23May04. The program holding time limitation was satisfied.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on

17May04 and 22May04. Standards of 5, 20, 50, 100, and 200 µg/L were included. The 22May04 calibration incorporated a heated purge. During both initial calibrations, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve hour period of instrument operation. When compared to the initial calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory applied its own statistical limits of acceptance. When compared to ASP requirements, acceptable performance was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

GBVICR0408 was selected for matrix spiking. Low recoveries were reported for the benzene (58%, 62%) and toluene (62%) additions to two portions of this sample. The VOA results reported from this group of samples have been qualified as estimations due to these indications of negative bias.

Acceptable recoveries were reported for the benzene and toluene additions to two matrix spiked blanks. This performance indicates that the low matrix spike recoveries may have been caused by an interfering sample matrix.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: May 19, 2004

MATRIX SPIKES

GBVICR0402	(A4479902)	ALL UJ
GBVICR0404	(A4479904)	ALL J/UJ
GBVICR0406	(A4479906)	ALL UJ
GBVICR0408	(A4479908)	ALL J/UJ
GBVIEW0401	(A4479901)	ALL UJ
GBVISW0403	(A4479903)	ALL UJ
GBVISW0405	(A4479905)	ALL UJ
GBVISW0407	(A4479907)	ALL UJ

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 19May04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

GBVICR0402	(A4479902)
GBVICR0404	(A4479904)
GBVICR0406	(A4479906)
GBVICR0408	(A4479908)
GBVIEW0401	(A4479901)
GBVISW0403	(A4479903)
GBVISW0405	(A4479905)
GBVISW0407	(A4479907)

DATA ASSESSMENT

A semivolatile organics data package containing analytical results for eight soil samples was received from NYSEG Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

The naphthalene result from GBVIEW0401, and the 2-methylnaphthalene result from GBVICR0408 have been removed from Form 1 due to a similar artifact in the associated method blank. Both analytes should be considered undetected in the affected samples.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible and completely usable in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included eight soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 19May04 and delivered to the laboratory on 21May04. The laboratory record indicates that the samples were received intact and properly chilled. Cooler temperatures of 3.0°C were recorded at the time of receipt. The samples were originally extracted on 22May04. GBVIEW0401 and GBVIEW0405 were re-extracted on 25May04. The analysis of each sample, including repeats, was completed by 26May04, satisfying the program holding time limitations.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

Two method blanks were processed with this group of samples. Although both blanks demonstrated acceptable chromatography, the blank created on 22Jun04 contained 200 µg/kg of 2-methylnaphthalene and 1700 µg/kg of naphthalene. The 25Jun04 blank was clean. Naphthalene was also detected in GBVIEW0401 and GBVISW0405. 2-Methylnaphthalene was present in GBVICR0408. Naphthalene and 2-methylnaphthalene results have been qualified as estimations in the affected samples.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 19Apr04 and 25May04. Standards of 10, 50, 80, 120 and 160 ng were included. During both calibrations, each targeted analyte produced the required levels of instrument response at each level of concentration. However, on 19Apr04, indeno(1,2,3-cd)pyrene standards demonstrated poor linearity. The positive indeno(1,2,3-cd)pyrene reported from the 24May04 analysis of GBVISW0408 has been qualified as an estimation due to calibration performance. For this reason, data from the 26May04 analysis of GBVISW0408 should be included in data tables.

A continuing calibration check was performed prior to each 12 hour period of instrument operation. When compared to the initial instrument calibrations, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, a low recovery of nitrobenzene-d5 was reported from GBVIEW0401. Because only one surrogate produced an unacceptable result, data qualifications are not required.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from two pairs of blanks that were spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: May 19, 2004

	BLANKS NAPHTHALENE	BLANKS 2-METHYLNAPHTHALENE

GBVICR0402	(A4479902)	
GBVICR0404	(A4479904)	
GBVICR0406	(A4479906)	
GBVICR0408	(A4479908)	
GBVIEW0401	(A4479901)	
GBVISW0403	(A4479903)	
GBVISW0405	(A4479905)	
GBVISW0407	(A4479907)	

7900U

390U

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 20May04

SOIL SAMPLES for VOLATILE ORGANICS

BCVICR0411 (A4479802)
BCVICR0412 (A4479804)
BCVICR0409 (A4479801)
BCVICR0410 (A4479803)

DATA ASSESSMENT

A volatile organics data package containing analytical results for four soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included four soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 20May04 and was delivered to the laboratory on 21May04. The laboratory record indicates that the samples were received intact and properly chilled. A cooler temperature of 6°C was recorded at the time of receipt. The analysis of each samples was completed by 24May04, satisfying the program holding time limitation.

It is noted that BCVICR0412 was analyzed as a low level soil with the rest of this delivery group on 23May04. The sample was then reanalyzed as a medium level soil on 24May04 to obtain measurements of benzene and ethylbenzene that were within the range of calibration.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

Two Method Blanks were analyzed with this group of samples. Both blanks demonstrated acceptable chromatography and were free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure

that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 17May04 and 22May04. Standards of 5, 20, 50, 100, and 200 ig/L were included. The 22May04 calibration incorporated a heated purge. During both initial calibrations, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial calibrations, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's statistical limits of acceptance were applied. However, when compared to ASP requirements, an acceptable level of recovery was demonstrated. Data qualifications are not required.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to two matrix spiked blanks.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 20, 2004

BCVICR0411 (A4479802)
BCVICR0412 (A4479804)
BCVICR0409 (A4479801)
BCVICR0410 (A4479803)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 20May04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

BCVICR0411 (A4479802)
BCVICR0412 (A4479804)
BCVICR0409 (A4479801)
BCVICR0410 (A4479803)

DATA ASSESSMENT

A semivolatile organics data package containing analytical results for four soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included four soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 20May04 and was delivered to the laboratory on 21May04. The laboratory record indicates that the samples were received intact and properly chilled. A cooler temperature of 6°C was recorded at the time of receipt. The entire group of samples was extracted on 22May04. Analyses were completed by 26May04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

Two method blanks were processed with this group of samples. Although both blanks demonstrated acceptable chromatography, the blank created on 22Jun04 contained 200 µg/kg of 2-methylnaphthalene and 1700 µg/kg of naphthalene. The 25Jun04 blank was clean. Naphthalene was also detected in GCVICR0411, BCVICR0412 and BCVISW0409. 2-Methylnaphthalene was not detected in associated samples. A repeated analysis of GCVICR0411, BCVICR0412 and BCVISW0409 was associated with the clean blank. Data from the repeated analysis of these samples should be included in data tables.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with

this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 19Apr04 and 25May04. Standards of 10, 50, 80, 120 and 160 ng were included. During both calibrations, each targeted analyte produced the required levels of instrument response at each level of concentration. However, on 19Apr04, indeno(1,2,3-cd)pyrene standards demonstrated poor linearity. Although errors might be expected in measurements of indeno(1,2,3-cd)pyrene, it may be assumed this analyte would be detected if present in samples. Because indeno(1,2,3-cd)pyrene was not detected in associated samples, data has been left unqualified.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial calibrations, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from two blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: May 20, 2004

BCVICR0411 (A4479802)
BCVICR0412 (A4479804)
BCVICR0409 (A4479801)
BCVICR0410 (A4479803)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 26May04

SOIL SAMPLES for VOLATILE ORGANICS

BCVICR0413 (A4504001)
BCVICR0414 (A4504002)

DATA ASSESSMENT

A volatile organics data package containing analytical results for two soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

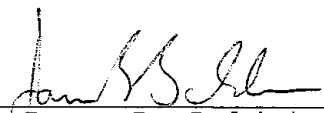
The VOA data reported from this group of samples has been qualified as an estimation due to low surrogate standard recoveries.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible and completely usable in its present form. Reported concentrations that are felt to provide a usable estimation of the conditions being measured have been flagged "J" or "UJ". Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included two soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 26May04 and was delivered to the laboratory on 27May04. The laboratory record indicates that the samples were received intact and properly chilled. A cooler temperature of 2°C was recorded at the time of receipt. The analysis of each sample was completed by 28May04, satisfying the program holding time limitation.

Is noted that both program samples were analyzed as medium level soils.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration

standards verify instrument stability.

The required levels of initial calibration were performed on 27May04. Standards of 5, 20, 50, 100, and 200 µg/L were included. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, an unacceptably low recovery was reported for the toluene-d8 addition to each sample. The 1,2-dichloroethane-d4 addition to BCVICR0414 also produced a low recovery. Based on this performance, the VOA results from each program sample have been qualified as estimations.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

BCVICR0414 was selected for matrix spiking. Benzene and toluene were added to two portions of this sample. The recoveries reported for these additions demonstrated acceptable levels of measurement accuracy and precision. Acceptable recoveries were also reported from a matrix spiked blank.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 26, 2004

SURROGATES

BCVICR0413 (A4504001	ALL J/UJ
BCVICR0414 (A4504002)	ALL J/UJ

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 26May04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

BCVICR0413 (A4504001)
BCVICR0414 (A4504002)

DATA ASSESSMENT

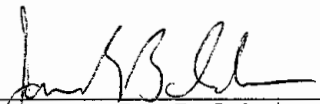
A semivolatile organics data package containing analytical results for two soil samples was received from NYSEG Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included two soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 26May04 and was delivered to the laboratory on 27May04. The laboratory record indicates that the samples were received intact and properly chilled. A cooler temperature of 2°C was recorded at the time of receipt. Both samples were extracted on 29May04 and analyzed on 01Jun04, satisfying the program holding time limitations.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 24May04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

A continuing calibration check was performed prior to each 12 hour period of instrument operation. When compared to the initial calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's statistical limits of acceptance were applied. However, when compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a pair of blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: May 26, 2004

BCVICR0413 (A4504001)
BCVICR0414 (A4504002)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 06Jun04

SOIL SAMPLES for VOLATILE ORGANICS
BCVICR0415 (A4533401)

DATA ASSESSMENT

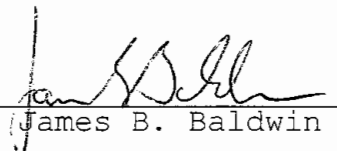
A volatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

4/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVICR0415 was collected on 04Jun04 and was delivered to the laboratory on 05Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 2°C was recorded at the time of receipt. The analysis of BCVICR0415 was completed on 09Jun04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

Two Method Blanks were analyzed with this group of samples. Both blanks demonstrated acceptable chromatography and were free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 08Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included.

This calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable levels of surrogate recovery were reported.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to two matrix spiked blanks.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 4, 2004

BCVICR0415 (A4533401)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 06Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS
BCVICR0415 (A4533401)

DATA ASSESSMENT

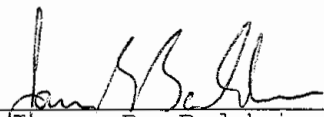
A semivolatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVICR0415 was collected on 04Jun04 and was delivered to the laboratory on 05Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 2°C was recorded at the time of receipt. BCVICR0415 was extracted on 09Jun04 and analyzed on 10Jun04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 24May04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from one blank spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 4, 2004

BCVICR0415 (A4533401)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 07Jun04

SOIL SAMPLES for VOLATILE ORGANICS
BCVICR0416 (A4540001)

DATA ASSESSMENT

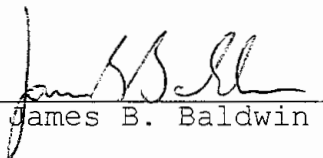
A volatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVICR0416 was collected on 07Jun04 and was delivered to the laboratory on 08Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 4°C was recorded at the time of receipt. The analysis of BCVICR0416 was completed on 09Jun04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 08Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included.

This calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, acceptable levels of surrogate recovery were reported.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to two matrix spiked blanks.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Targeted analytes were not detected in this group of samples. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 7, 2004

BCVICR0416 (A4540001)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 07Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS
BCVICR0416 (A4540001)

DATA ASSESSMENT

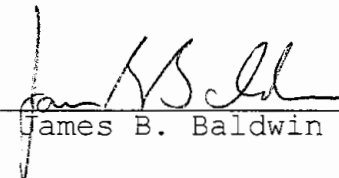
A semivolatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVICR0416 was collected on 07Jun04 and was delivered to the laboratory on 08Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 4°C was recorded at the time of receipt. BCVICR0416 was extracted on 09Jun04 and analyzed on 10Jun04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not include GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 24May04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from one blank spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 7, 2004

BCVICR0416 (A4540001)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 10Jun04

SOIL SAMPLES for VOLATILE ORGANICS
BCVICR0417 (A4557101)

DATA ASSESSMENT

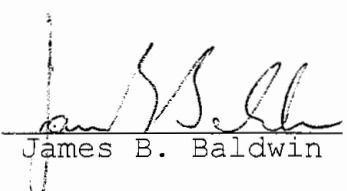
A volatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVICR0417 was collected on 10Jun04 and was delivered to the laboratory on 11Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 4.8°C was recorded at the time of receipt. The analysis of BCVICR0417 was completed on 13Jun04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 08Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included.

This calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, acceptable levels of surrogate recovery were reported.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to two matrix spiked blanks.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Targeted analytes were not detected in this group of samples. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 10, 2004

BCVICR0417 (A4557101)

DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004

Confirmation Samples

Sampled 10Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

BCVICR0417 (A4557101)

DATA ASSESSMENT

A semivolatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included one soil sample, was collected from the Geneva Border City IRM 2004 site. BCVICR0417 was collected on 10Jun04 and was delivered to the laboratory on 11Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 4.8°C was recorded at the time of receipt. BCVICR0417 was extracted on 14Jun04 and analyzed on 15Jun04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 24May04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from one blank spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Targeted analytes were not detected in BCVICR0417. Tentatively Identified Compounds (TIC) were not reported. The CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 10, 2004

BCVICR0417 (A4557101)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 11Jun04

SOIL SAMPLES for VOLATILE ORGANICS
BCVICR0418 (A4561401)

DATA ASSESSMENT

A volatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature: James B. Baldwin
James B. Baldwin

Date: 1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVICR0418 was collected on 11Jun04 and was delivered to the laboratory on 12Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 4°C was recorded at the time of receipt. The analysis of BCVICR0418 was completed on 18Jun04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 18Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included.

This calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable levels of surrogate recovery were reported for the additions to BCVICR0418.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to two matrix spiked blanks.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Targeted analytes were not detected in this group of samples. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 11, 2004

BCVICR0418 (A4561401)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 11Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS
BCVICR0418 (A4561401)

DATA ASSESSMENT

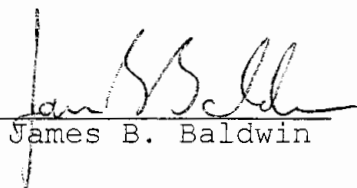
A semivolatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVICR0418 was collected on 11Jun04 and was delivered to the laboratory on 12Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 4°C was recorded at the time of receipt. BCVICR0418 was extracted and analyzed on 15Jun04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not include GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability. The required levels of initial calibration were performed on

24May04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this

delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a pair of blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 11, 2004

BCVICR0418 (A4561401)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 14Jun04

SOIL SAMPLES for VOLATILE ORGANICS
BCVICR0419 (A4565101)

DATA ASSESSMENT

A volatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

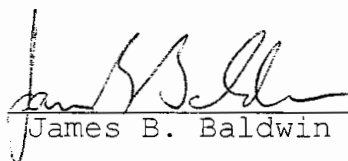
The results reported from BCVICR0419 have been qualified as an estimation due to a poor surrogate standard recovery.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible and completely usable in its present form. Reported concentrations that are felt to provide a usable estimation of the conditions being measured have been flagged "J" or "UJ". Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVICR0419 was collected on 14Jun04 and delivered to the laboratory on 15Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 2.6°C was recorded at the time of receipt. The analysis of BCVICR0419 was completed on 18Jun04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 18Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included.

This calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve hour period of instrument operation. When compared to the initial calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, an unacceptably low recovery of toluene-d8 was reported from BCVICR419. The VOA results reported from BCVICR419 have been qualified as estimations due to this performance.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to a matrix spiked blank.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measure-

ment of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Targeted analytes were not detected in this group of samples. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 14, 2004

SURROGATES

BCVICR0419 (A4565101)

ALL UJ

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 14Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS
BCVICR0419 (A4565101)

DATA ASSESSMENT

A semivolatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/11/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVICR0419 was collected on 14Jun04 and delivered to the laboratory on 15Jun04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 2.6°C was recorded at the time of receipt. BCVICR0419 was extracted on 15Jun04 and analyzed on 18Jun04, satisfying the program holding time limitations.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 16Jun04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

A continuing calibration check was performed prior to each 12 hour period of instrument operation. When compared to the initial calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a pair of blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Targeted analytes were not detected in this group of samples. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 14, 2004

BCVICR0419 (A4565101)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 17Jun04

SOIL SAMPLES for VOLATILE ORGANICS

BCVICR0420 (A4578601)
BCVICR0421 (A4578602)
BCVXCR0422 (A4578603)

DATA ASSESSMENT

A volatile organics data package containing analytical results for three soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

The results reported from this group of samples have been qualified as estimations due to low surrogate standard recoveries.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable in its present form. Reported concentrations that provide a usable estimation of the conditions being measured have been flagged "J", "UJ" or "DJ". Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included three soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 17Jun04 and was delivered to the laboratory on 18Jun04. The samples were received intact and properly chilled. A cooler temperature of 5.4°C was recorded at the time of receipt. The analysis of each sample was completed by 22Jun04, satisfying the program holding time limitation.

It is noted that this group of samples was originally analyzed on 21Jun04. BCVICR0421 and BCVXCR0422 were reanalyzed on 22Jun04 as medium level soils, to obtain measurements of benzene within the range of calibration.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

Two Method Blanks were analyzed with this group of samples. Both blanks demonstrated acceptable chromatography and were free of targeted analyte contamination.

A sample identified as EBLK 062204 was analyzed with this delivery group. The sample did not appear on the Custody Chain. Targeted analytes were not detected in EBLK 062204.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 16Jun04 and 18Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included. The 16Jun04 calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibrations, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, low recoveries were reported for the toluene-d8 additions to each sample. The VOA results obtained from this group of samples have been qualified as estimations based on this performance.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Two spiked blanks were analyzed with this delivery group. Both blanks produced recoveries within the ASP limits of acceptance.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Mass spectra references were provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 17, 2004

SURRGATES

BCVICR0420 (A4578601)	ALL J/UJ
BCVICR0421 (A4578602)	ALL J/DJ
BCVXCR0422 (A4578603)	ALL J/DJ

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 17Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

BCVICR0420 (A4578601)
BCVICR0421 (A4578602)
BCVXCR0422 (A4578603)

DATA ASSESSMENT

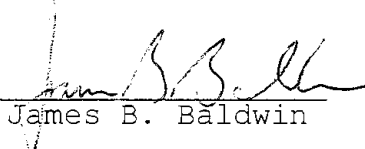
A semivolatile organics data package containing analytical results for three soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included three soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 17Jun04 and was delivered to the laboratory on 18Jun04. The samples were received intact and properly chilled. A cooler temperature of 5.4°C was recorded at the time of receipt. The entire group of samples was extracted on 21Jun04 and analyzed on 23Jul04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 22Jun04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity. One exception is noted. Although each dibenzo(a,h)anthracene standard produced the required minimum level of response, the calibration curve demonstrated poor linearity. Although errors would be expected in measurements of this analyte, it may be assumed that it would be detected if present in samples. Because dibenzo(a,h)anthracene was not detected in samples, data has been left unqualified.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable recoveries were reported for the surrogate additions to each program sample.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this group of samples. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a pair of blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each reported analyte. Tentatively, Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 17, 2004

BCVICR0420 (A4578601)
BCVICR0421 (A4578602)
BCVXCR0422 (A4578603)

**DATA USABILITY
SUMMARY REPORT**

**GENEVA, BORDER CITY
FORMER MGP SITE**

**SAMPLED 05/19/04 - 07/06/04
VOLUME 2 of 2**

**VOLATILES (BTEX)
SEMIVOLATILES (PAH)**

Prepared for:

**NEW YORK STATE ELECTRIC and GAS CORP.
P.O. Box 5224
Binghamton, NY 13902-5224**

Prepared by:

**DATAVAL, Inc.
518 Hooper Rd., PMB 283
Endwell, NY 13760**

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 21Jun04

SOIL SAMPLES for VOLATILE ORGANICS

BCVIEW0423-Q (A4588901)
BCVIEW0424-Q (A4588902)
BCVIWC0425-Q (A4588903)
BCVIWC0426-Q (A4588904)
BCVIWC0427-Q (A4588905)
BCVIWC0428-Q (A4605706)

DATA ASSESSMENT

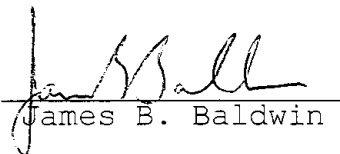
A volatile organics data package containing analytical results for six soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included six soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 21Jun04 and was delivered to the laboratory on 22Jun04. The samples were received intact and properly chilled. A cooler temperature of 4.0°C was recorded at the time of receipt. The analysis of each sample was completed by 26Jun04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

Two Method Blanks were analyzed with this group of samples. Both blanks demonstrated acceptable chromatography and were free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 24Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included.

This calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, a high recovery (116%) was reported for the 1,2-dichloroethane-d4 addition to BCVIWC0426-Q. This indication of positive bias, however, warrants no concern. Targeted analytes were not detected in this sample. Data qualifications are not required.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spikes (MS/MSD) were not prepared with this group of samples. Spiked samples were included in other delivery groups from this project. Two spiked blanks were analyzed with this group of program samples. Both blanks produced recoveries within the ASP limits of acceptance.

DUPLICATES

Two aliquots of the same sample are processed separately through

all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Targeted analytes were not detected in this group of samples. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 21, 2004

BCVIEW0423-Q (A4588901)
BCVIEW0424-Q (A4588902)
BCVIWC0425-Q (A4588903)
BCVIWC0426-Q (A4588904)
BCVIWC0427-Q (A4588905)
BCVIWC0428-Q (A4605706)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 21Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

BCVIEW0423-Q (A4588901)
BCVIEW0424-Q (A4588902)
BCVIWC0425-Q (A4588903)
BCVIWC0426-Q (A4588904)
BCVIWC0427-Q (A4588905)
BCVIWC0428-Q (A4605706)

DATA ASSESSMENT

A semivolatile organics data package containing analytical results for six soil samples was received from NYSEG Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature: _____
James B. Baldwin

Date: _____

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included six soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 21Jun04 and was delivered to the laboratory on 22Jun04. The samples were received intact and properly chilled. A cooler temperature of 4.0°C was recorded at the time of receipt. The entire group of samples was extracted on 22Jun04 and analyzed by 23Jun04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 22Jun04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity. One exception is noted. Although each dibenzo(a,h)anthracene standard produced the required minimum level of response, the calibration curve demonstrated poor linearity. Although errors would be expected in measurements of this analyte, it may be assumed that it would be detected if present in samples. Because dibenzo(a,h)anthracene was not detected in program samples, data has been left unqualified.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this group of samples. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a pair of blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 21, 2004

BCVIEW0423-Q (A4588901)
BCVIEW0424-Q (A4588902)
BCVIWC0425-Q (A4588903)
BCVIWC0426-Q (A4588904)
BCVIWC0427-Q (A4588905)
BCVIWC0428-Q (A4605706)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 24Jun04

SOIL SAMPLES for VOLATILE ORGANICS

BCVLXX0429-Q	(A4605701)
BCVLWW0430-Q	(A4605702)
BCVLXX0431-Q	(A4605703)
BCVLUM0432-Q	(A4605704)
BCVLXX0433-Q	(A4605705)
BCVLEW0434-Q	(A4605706)
BCVLXX0435-Q	(A4605707)
BCVINW0436-Q	(A4605708)
BCVINW0437-Q	(A4605709)
BCVINM0438-Q	(A4605710)
BCVINW0439-Q	(A4605711)
BCVIXX0440	(A4605712)
TRIP BLANK	(A4605713)

DATA ASSESSMENT

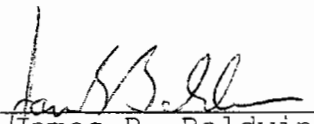
A volatile organics data package containing analytical results for twelve soil samples and a trip blank was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

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Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included twelve soils and a trip blank, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 24Jun04 and was delivered to the laboratory on 25Jun04. The samples were received intact and properly chilled. A cooler temperature of 4.0°C was recorded at the time of receipt. The analysis of each sample was completed by 30Jun04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank and a Trip Blank was analyzed with this group of samples. Both blanks demonstrated acceptable chromatography. The Method Blank was clean. The Trip Blank contained 1 µg/l of toluene. The presence of this artifact warrants no concern. Toluene was not detected in this group of samples.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 29Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included. This calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibrations, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, acceptable levels of surrogate recovery were reported.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

BCVLWW0430-Q was selected for matrix spiking. The benzene and toluene additions to two portions of this sample were recovered successfully. Acceptable levels of measurement accuracy and precision were demonstrated. Acceptable recoveries were also reported from a spiked blank.

DUPLICATES

Two aliquots of the same sample are processed separately through

all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 24, 2004

BCVLXX0429-Q	(A4605701)
BCVLWW0430-Q	(A4605702)
BCVLXX0431-Q	(A4605703)
BCVLUM0432-Q	(A4605704)
BCVLXX0433-Q	(A4605705)
BCVLEW0434-Q	(A4605706)
BCVLXX0435-Q	(A4605707)
BCVINW0436-Q	(A4605708)
BCVINW0437-Q	(A4605709)
BCVINM0438-Q	(A4605710)
BCVINW0439-Q	(A4605711)
BCVIXX0440	(A4605712)
TRIP BLANK	(A4605713)

DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 24Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

BCVLXX0429-Q (A4605701)
BCVLWW0430-Q (A4605702)
BCVLXX0431-Q (A4605703)
BCVLUM0432-Q (A4605704)
BCVLXX0433-Q (A4605705)
BCVLEW0434-Q (A4605706)
BCVLXX0435-Q (A4605707)
BCVINW0436-Q (A4605708)
BCVINW0437-Q (A4605709)
BCVINM0438-Q (A4605710)
BCVINW0439-Q (A4605711)
BCVIXX0440 (A4605712)

DATA ASSESSMENT

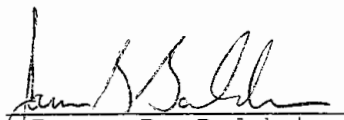
A semivolatile organics data package containing analytical results for twelve soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included twelve soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 24Jun04 and was delivered to the laboratory on 25Jun04. The samples were received intact and properly chilled. A cooler temperature of 4.0°C was recorded at the time of receipt. The entire group of samples was extracted on 26Jun04 and analyzed by 03Jul04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 16Jun04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity. One exception is noted. Although each dibenzo(a,h)anthracene standard produced the required minimum level of response, the calibration curve demonstrated poor linearity. Although errors would be expected in measurements of this analyte, it may be assumed it would be detected if present in samples. Because dibenzo(a,h)anthracene was not detected in program samples, data has been left unqualified.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this group of samples. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a pair of blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 24, 2004

BCVLXX0429-Q (A4605701)
BCVLWW0430-Q (A4605702)
BCVLXX0431-Q (A4605703)
BCVLUM0432-Q (A4605704)
BCVLXX0433-Q (A4605705)
BCVLEW0434-Q (A4605706)
BCVLXX0435-Q (A4605707)
BCVINW0436-Q (A4605708)
BCVINW0437-Q (A4605709)
BCVINM0438-Q (A4605710)
BCVINW0439-Q (A4605711)
BCVIXX0440 (A4605712)

DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 240Jun04

SOIL SAMPLES for VOLATILE ORGANICS

BCVIXX0441 (A4607501)
BCVINW0442 (A4607502)
BCVIXX0443 (A4607503)
BCVINW0444 (A4607504)

DATA ASSESSMENT

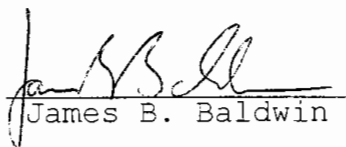
A volatile organics data package containing analytical results for four soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

4/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included four soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 24Jun04 and was delivered to the laboratory on 25Jun04. The laboratory record indicates that the samples were received intact and properly chilled. A cooler temperature of 4.0°C was recorded at the time of receipt. The analysis of the entire group of samples was completed on 29Jun04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. Although this blank demonstrated acceptable chromatography, it contained 2 µg/kg of toluene and 3 µg/kg of xylenes. The presence of these artifacts warrants no concern. Toluene and xylenes were not detected in this group of samples.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration

standards verify instrument stability.

The required levels of initial calibration were performed on 26Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included. This calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, acceptable levels of surrogate recovery were reported.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this group of samples. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to two matrix spiked blanks.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

1

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 24, 2004

BCVIXX0441 (A4607501)
BCVINW0442 (A4607502)
BCVIXX0443 (A4607503)
BCVINW0444 (A4607504)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 240Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

BCVIXX0441 (A4607501)
BCVINW0442 (A4607502)
BCVIXX0443 (A4607503)
BCVINW0444 (A4607504)

DATA ASSESSMENT

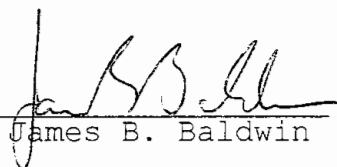
A semivolatile organics data package containing analytical results for four soil samples was received from NYSEG Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included four soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 24Jun04 and was delivered to the laboratory on 25Jun04. The laboratory record indicates that the samples were received intact and properly chilled. A cooler temperature of 4.0°C was recorded at the time of receipt. The entire group of samples was extracted on 26Jun04 and analyzed on 28Jun04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not include GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 22Jun04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity. One exception is noted. Although each dibenzo(a,h)anthracene standard produced the required minimum level of response, the calibration curve demonstrated poor linearity. Although errors would be expected in measurements of this analyte, it may be assumed it would be detected if present in samples. Because dibenzo(a,h)anthracene was not detected in program samples, data has been left unqualified.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this group of samples. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a pair of blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 24, 2004

BCVIXX0441 (A4607501)
BCVINW0442 (A4607502)
BCVIXX0443 (A4607503)
BCVINW0444 (A4607504)

DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 25Jun04

SOIL SAMPLES for VOLATILE ORGANICS

BCVIXX0448 (A4611401)

DATA ASSESSMENT

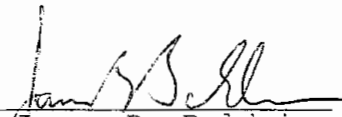
A volatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVIXX0448 was collected on 25Jun04 and was delivered to the laboratory on 29Jun04. The sample was received intact and properly chilled. A cooler temperature of 2.0°C was recorded at the time of receipt. Although there was a significant delay between collection and shipment, the total holding time prior to analysis was not excessive. The analysis of BCVIXX0448 was completed on 30Jun04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 29Jun04. This calibration incorporated a heated purge. Standards of 5, 20, 50, 100, and 200 µg/L were included. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, acceptable levels of surrogate recovery were reported.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to a matrix spiked blank.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced

by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Targeted analytes were not detected in this group of samples. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 25, 2004

BCVIXX0448 (A4611401)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 25Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS
BCVIXX0448 (A4611401)

DATA ASSESSMENT

A semivolatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

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Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVIXX0448 was collected on 25Jun04 and was delivered to the laboratory on 29Jun04. The sample was received intact and properly chilled. A cooler temperature of 2.0°C was recorded at the time of receipt. Although there was a significant delay between collection and shipment, the total holding time prior to analysis was not excessive. BCVIXX0448 was extracted on 30Jun04 and analyzed on 02Jul04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration

standards verify instrument stability.

The required levels of initial calibration were performed on 16Jun04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate

spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a pair of blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 25, 2004

BCVIXX0448 (A4611401)

DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 29Jun04

SOIL SAMPLES for VOLATILE ORGANICS

BCVIXX0449-Q	(A4617501)
BCVIXX0450-Q	(A4617502)
BCVIXX0452-Q	(A4617503)
BCVINW0453-Q	(A4617504)

DATA ASSESSMENT

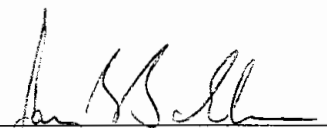
A volatile organics data package containing analytical results for four soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

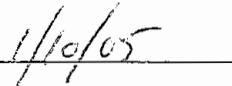
Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:



SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included four soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 29Jun04 and was delivered to the laboratory on 30Jun04. The samples were received intact and properly chilled. A cooler temperature of 4.8°C was recorded at the time of receipt. The analysis of each sample was completed on 01Jul04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 26Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included.

This calibration incorporated a heated purge. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, acceptable levels of surrogate recovery were reported.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to a matrix spiked blank.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. Targeted analytes were not detected in this group of samples. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 29, 2004

BCVIXX0449-Q (A4617501)
BCVIXX0450-Q (A4617502)
BCVIXX0452-Q (A4617503)
BCVINW0453-Q (A4617504)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 29Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

BCVIXX0449-Q (A4617501)
BCVINW0450-Q (A4617502)
BCVIXX0452-Q (A4617503)
BCVINW0453-Q (A4617504)

DATA ASSESSMENT

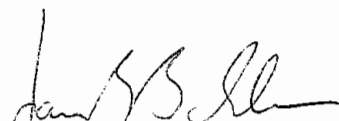
A semivolatile organics data package containing analytical results for four soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

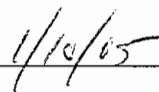
Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:



SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included four soils, was collected from the Geneva Border City IRM 2004 site. The entire group of samples was collected on 29Jun04 and was delivered to the laboratory on 30Jun04. The samples were received intact and properly chilled. A cooler temperature of 4.8°C was recorded at the time of receipt. The samples were extracted and analyzed 01Jul04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 16Jun04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a pair of blanks spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 29, 2004

BCVIXX0449-Q (A4617501)
BCVINW0450-Q (A4617502)
BCVIXX0452-Q (A4617503)
BCVINW0453-Q (A4617504)

DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 30Jun04

SOIL SAMPLES for VOLATILE ORGANICS

BCVIEW0456 (A4622402)
BCVIXX0455 (A4622401)

DATA ASSESSMENT

A volatile organics data package containing analytical results for two soil samples was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

1/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included two soils, was collected from the Geneva Border City IRM 2004 site. Both samples were collected on 30Jun04 and were delivered to the laboratory on 01Jul04. Although the samples were received intact, a cooler temperature of 7°C was recorded at the time of receipt. Because the samples arrived at the laboratory in less than 24 hours from the time of collection, data has not been qualified due to this slight exceedence. The analysis of both samples was completed on 02Jul04, satisfying the program holding time limitation.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on

26Jun04. Standards of 5, 20, 50, 100, and 200 µg/L were included. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, acceptable levels of surrogate recovery were reported.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported for benzene and toluene additions to a matrix spiked blank.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 30, 2004

BCVIEW0456 (A4622402)
BCVIXX0455 (A4622401)

DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 30Jun04

SOIL SAMPLES for SEMIVOLATILE ORGANICS

BCVIEW0456 (A4622402)

BCVIXX0455 (A4622401)

DATA ASSESSMENT

A semivolatile organics data package containing analytical results for two soil samples was received from NYSEG Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

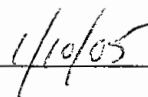
Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:



SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included two soils, was collected from the Geneva Border City IRM 2004 site. Both samples were collected on 30Jun04 and were delivered to the laboratory on 01Jul04. Although the samples were received intact, a cooler temperature of 7°C was recorded at the time of receipt. Because the samples arrived at the laboratory in less than 24 hours from the time of collection, data has not been qualified due to this slight exceedence. Both samples were extracted on 01Jul04 and analyzed on 02Jul04. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range

through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 14Jun04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide

an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from one blank spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: June 30, 2004

BCVIEW0456 (A4622402)
BCVIXX0455 (A4622401)

DATA USABILITY SUMMARY REPORT

for

NEW YORK STATE ELECTRIC AND GAS CORPORATION

P.O. BOX 5224

BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 06Jul04

SOIL SAMPLES for VOLATILE ORGANICS

BCVIXX0458-Q (A4561401)

DATA ASSESSMENT

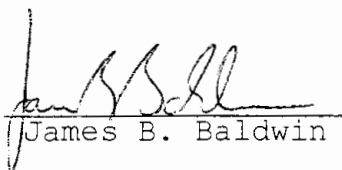
A volatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8260, addressed determinations of benzene, toluene, ethylbenzene and xylenes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:

4/10/05

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Sample holding times are calculated from the time of receipt, by the laboratory. Samples must remain chilled to between 2°C and 6°C from the time of collection. Soil samples and groundwater preserved with HCl must be analyzed within 10 days of receipt; unpreserved samples within 7 days. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike, matrix spike duplicate, and a rinsate blank.

This group of samples, which included one soil sample, was collected from the Geneva Border City IRM 2004 site. BCVIXX0458-Q was collected on 06Jul04 and was delivered to the laboratory on 07Jul04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 5.2°C was recorded at the time of receipt. The analysis of BCVIXX0458-Q was completed on 14Jul04, satisfying the program holding time limitation. It is noted that BCVIXX0458-Q was analyzed as a medium level soil.

A sample identified as EBLK 071304 was included in this data package although it did not appear on the custody chain. The sample contained concentrations of ethylbenzene (190 µg/kg) and xylenes (600 µg/kg) that were at least 200 times lower than the levels detected in BCVIXX0458-Q.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One Method Blank was analyzed with this group of samples. This blank demonstrated acceptable chromatography and was free of targeted analyte contamination.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each BFB evaluation. Each BFB check associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 06Jul04. Standards of 5, 20, 50, 100, and 200 µg/L were included. During the initial calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity.

Calibration performance was verified prior to each twelve-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Standard Summary Sheets were properly prepared, the laboratory's own statistical limits of acceptance were applied. When compared to ASP requirements, acceptable recoveries were reported for the surrogate additions to BCVIXX0458-Q and EBLK 071304.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, each internal standard produced an acceptable level of response and a stable retention time.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery

groups from this project. Two medium level spiked blanks were analyzed with this group of samples. Both blanks produced recoveries within the laboratory's limits of acceptance. However, when compared to ASP protocol, a low recovery (74%) was reported for the toluene addition to one blank. This performance, alone, does not warrant data qualifications.

DUPLICATES

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print-outs. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The CRDL reported for each analyte has been corrected for sample size and moisture content.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: July 6, 2004

BCVIXX0458-Q (A4633401)

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE ELECTRIC AND GAS CORPORATION
P.O. BOX 5224
BINGHAMTON, NEW YORK 13902-5224

Geneva Border City IRM 2004
Confirmation Samples
Sampled 06Jul04

SOIL SAMPLES for SEMIVOLATILE ORGANICS
BCVIXX0458-Q (A4633401)

DATA ASSESSMENT

A semivolatile organics data package containing analytical results for one soil sample was received from NYSE&G Corp. on 28Dec04. The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Geneva Border City IRM 2004 site, were identified by Chain of Custody documents and trackable through the work of STL Buffalo, the laboratory contracted for analysis. Analyses, performed by EPA Method 8270, addressed a list of selected PAH analytes. Laboratory data was evaluated according to the requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP) and the cited method. Where the required protocols were not followed, the current EPA Region II Functional Guidelines (SOW HW-6, Rev 8, CLP Organics Data Review and Preliminary Review, Jan. 1992) was used as a technical reference.

CORRECTNESS AND USABILITY

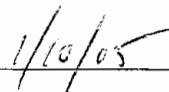
Reported data should be considered technically defensible, completely usable, and without qualifications in its present form. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:


James B. Baldwin

Date:



SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the verified time of sample receipt (VTSR). Samples must remain chilled to between 2°C and 6°C from the time of collection. Extractions must begin within 5 days of receipt. Analyses must be completed within 40 days of extraction. Each sample delivery group, containing up to 20 samples, should include a field duplicate, a matrix spike and a matrix spike duplicate.

This group of samples, which included one soil, was collected from the Geneva Border City IRM 2004 site. BCVIXX0458-Q was collected on 06Jul04 and was delivered to the laboratory on 07Jul04. The laboratory record indicates that the sample was received intact and properly chilled. A cooler temperature of 5.2°C was recorded at the time of receipt. BCVIXX0458-Q was extracted and analyzed on 09Jul04. The sample was diluted and reanalyzed on 12Jul04 to obtain measurements of fluoranthene, naphthalene and phenanthrene that were within the range of calibration. The program holding time limitations were satisfied.

It is noted that the preparation of this group of samples did not included GPC Cleanup.

BLANKS

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank. Any sample concentration less than 5 times the level determined in a blank must be qualified.

One method blank was processed with this group of samples. Although this blank demonstrated acceptable chromatography, it contained 810 µg/kg of naphthalene. This artifact warrants no concern. The naphthalene concentration in BCVIXX0458-Q exceeded this level by a factor of 2000. Data qualifications are not required.

MS TUNING

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence and during every 12 hour period of instrument operation. An Instrument Performance Check Form is present for each DFTPP evaluation. DFTPP tunes associated with this group of samples satisfied the program acceptance criteria.

CALIBRATION

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration standards verify instrument stability.

The required levels of initial calibration were performed on 22Jun04. Standards of 10, 50, 80, 120 and 160 ng were included. During this calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity. One exception is noted. Although each dibenzo(a,h)anthracene standard produced the required minimum level of response, the calibration curve demonstrated poor linearity. Although errors would be expected in measurements of this analyte, it may be assumed that it would be detected if present in samples. Because dibenzo(a,h)anthracene was not detected in BCVIXX0458-Q, data has been left unqualified.

A continuing calibration check was performed prior to each 12-hour period of instrument operation. When compared to the initial instrument calibration, an acceptable level of instrument stability was demonstrated.

INTERNAL STANDARDS

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the recovery of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

Internal standard performance was stable throughout this work. The laboratory correctly calculated control limits for internal standard response and retention times. The retention time and response of each internal standard that was added to program samples satisfied the calculated limits of acceptance.

SURROGATES

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Standard Summary Sheets were properly prepared. However, the laboratory's statistical limits of acceptance were applied. When compared to ASP requirements, acceptable surrogate recoveries were reported.

DUPLICATES

Two aliquots of the same sample are processed separately through

all aspects of sample preparation and analysis. Results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicates were not included in this group of samples.

MATRIX SPIKES / MATRIX SPIKE DUPLICATES / MATRIX SPIKED BLANKS

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

Matrix spiked samples (MS/MSD) were not prepared with this delivery group. Spiked samples were included in other delivery groups from this project. Acceptable recoveries were reported from a blank spiked with acenaphthene and pyrene.

SAMPLE INFORMATION

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument printouts. Sample chromatograms were properly attenuated. A mass spectra reference was provided to confirm the identification of each detected analyte. Tentatively Identified Compounds (TIC) were not reported. The analyte concentrations and CRDL's reported in this work have been adjusted to reflect the moisture content and weight of each sample.

QUALIFIED DATA
GENEVA BORDER CITY IRM 2004
Sampled: July 6, 2004

BCVIXX0458-Q (A4633401)

APPENDIX G

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
APPROVAL LETTER

MAY 12 2005

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9662 • **FAX:** (518) 402-9679
Website: www.dec.state.ny.us



Denise M. Sheehan
Acting
Commissioner

May 9, 2005

Mr. Bert Finch
New York State Electric and Gas
Corporate Drive - Kirkwood Industrial Park
PO Box 5224
Binghamton, NY 13902-5224

Dear Mr. Finch:

Re: Geneva /Border City MGP
Waterloo (T), Seneca County, Site No: 8-50-008

The New York State Department of Environmental Conservation (NYSDEC) has received the revisions for the IRM Final Engineering Report for the referenced site, dated May 6, 2005. The revisions are acceptable and the report is approved. Please submit 2 final hard copies and an electronic copy to NYSDEC and one hard copy and an electronic copy to Maureen Schuck at the New York State Department of Health (NYSDOH). If you have any further questions feel free to contact me at (518) 402-9564. Thank you.

Sincerely,

Douglas MacNeal
Environmental Engineer 1
Remedial Action Bureau C
Division of Environmental Remediation

cc: M. Schuck, DOH

ec: G. Cross
R. Schick