C915223 C915223 DSS

TurnKey Environmental Restoration, LLC

August 28, 2012

Mr. David Szymanski
New York State Department of
Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

Re: 2012 Periodic Review Report
Niagara Street and Pennsylvania Avenue Site
Buffalo, New York

Dear Mr. Szymanski:

TurnKey Environmental Restoration, LLC has prepared the enclosed Periodic Review Report (PRR) for the above-referenced site. A full electronic copy of this report has also been transmitted to you via electronic mail.

Please contact us if you have any questions or require additional information.

Sincerely,

TurnKey Environmental Restoration, LLC

Michael Lesakowski
Project Manager

c: C. Stewart (1093 Group, LLC)

File: 0136-002-600

2558 Hamburg Turnpike, Suite 300 | Lackawanna, NY 14218 | phone: (716) 856-0635 | fax: (716) 856-0583

C915223

Periodic Review Report

Niagara Street and Pennsylvania Avenue Site
Site No. C915223
Buffalo, New York

August 2012

0136-002-600

Prepared for:

1093 Group, LLC

Prepared by:

TurnKey Environmental Restoration, LLC

TurnKey Environmental Restoration, LLC

2558 Hamburg Turnpike, Buffalo, New York | phone: (716) 856-0635 | fax: (716) 856-0583

PERIODIC REVIEW REPORT
for the

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE
(SITE NO. C915223)

BUFFALO, NEW YORK

August 2012 0136-002-600

Prepared for:

1093 Group, LLC

Prepared By:

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716)856-0599

PERIODIC REVIEW REPORT

Niagara Street and Pennsylvania Avenue Site

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PERIODIC REVIEW REPORT

Niagara Street and Pennsylvania Avenue Site

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1.0 INTRODUCTION

TurnKey Environmental Restoration, LLC (TurnKey), has prepared this Periodic Review Report (PRR), on behalf of 1093 Group, LLC, to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Niagara Street and Pennsylvania Avenue Site (Site) (C915223).

This PRR has been prepared in accordance with the NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010) and the NYSDEC's Institutional and Engineering Controls(IC/EC) Certification Form has been completed for the Site (see Appendix A).

This PRR and the associated inspections form have been completed for the post-remedial activities at the Site for the June 24, 2011 to June 24, 2012 reporting period.

1.1 Site Background

The Site encompasses approximately 0.27-acres of land which was redeveloped as a commercial retail operation (Family Dollar) in the City of Buffalo, New York (see Figure 1). The Site was formerly comprised of two separate adjoining tax parcels which were historically used as a filling station and automobile service operation. Figure 2 shows the former parcels and buildings prior to remediation.

On-Site soil and groundwater were contaminated by petroleum hydrocarbons related to the former underground storage tanks (USTs) and automobile repair operations.

1.2 Remedial History

9154 Group, LLC entered into a Brownfield Cleanup Agreement (BCA) (Index #B9-0759-07-11, Site #C915223) with the New York State Department of Environmental Conservation (NYSDEC) in October 2008. In November 2008, an "Amendment Application for Change of Party" was submitted to the NYSDEC to change the applicant from 9154 Group, LLC to 1093 Group, LLC, and the Department approved the change in February 2009. 1093 Group, LLC then completed the investigation and remediation of the Site under the supervision of the NYSDEC and NYSDOH.

The Remedial Investigation/Interim Remedial Measures (RI/IRM) Work Plan was approved by the NYSDEC on November 18, 2008. Remedial activities were performed at the Site between February and July 2009. The remedial program was successful in achieving the remedial objectives for the Site, and the Site Management Plan (SMP) and Final Engineering Report (FER) were approved by the Department in December 2009. The NYSDEC issued a COC for the Site on December 24, 2009.

1.3 Compliance

At the time of the Site inspection, the Site was fully compliant with the Department's approved SMP.

1.4 Recommendations

Based on the post-remedial results for the Site, TurnKey makes the following recommendation for the Site.

- Modify the groundwater monitoring well network to MW-1 and MW-2 only. Analytical results for MW-5 and MW-6 have been non-detect or below regulatory guidance values for all completed monitoring events.

Beyond those changes described above, no modifications to the current SMP are recommended at this time.

2.0 SITE OVERVIEW

The Niagara Street and Pennsylvania Avenue Site (Site) is located in the City of Buffalo, County of Erie, New York and is addressed at 517 Niagara Street (SBL# 110.27-5-1.1) on the Erie County Tax Map. The Site is located on the southeast corner of Niagara Street and Pennsylvania Avenue, and bordered by Reynolds Alley, Pennsylvania Avenue, and Niagara Street.

The remedial activities were completed from February through July 2009. The remedial activities included:

- Demolition of the former service station building and product dispenser canopy;
- Removal of five underground storage tanks (USTs), including associated dispensing units and underground product piping. Extraction and off-site disposal of residual product/water mixture from the USTs and the in-ground lift.
- Excavation of petroleum-impacted soil/fill followed by off-site transportation and disposal at a commercial landfill.
- Excavation and disposal of surface soil/fill with slightly elevated SVOCs (above restricted-residential SCOs) across the southeast portion of the Site. That material was also transported off-Site and disposed of at a commercial landfill.
- Extraction and treatment of groundwater from the excavation during remediation activities.
- Placement and compaction of backfill.

Remedial activities were completed in July 2009. The FER and SMP for the Site were approved by the Department in December 2009. The COC was issued for the Site on December 24, 2009.

3.0 SITE MANAGEMENT PLAN

The Niagara Street and Pennsylvania Avenue Site post-remedial Site Management Plan (SMP) was approved by the NYSDEC in December 2009. The This SMP provides a detailed description of all procedures required to manage remaining contamination at the Site after completion of the Remedial Action, including: (1) implementation and management of all Institutional Controls; (2) groundwater monitoring; and, (3) performance of periodic inspections, certification of results, and submittal of Periodic Review Reports.

A brief description of these SMP components is presented below.

3.1 Institutional Control Plan

As a requirement of the SMP a series of Institutional Controls are required to (1) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (2) limit the use and development of the Site to restricted-residential use or more restricted uses (i.e., commercial or industrial).

3.1.1 Excavation Work Plan

The Excavation Work Plan, which is included within the approved-SMP for the Site, provides guidelines for the management of soil and fill material during any future intrusive activities.

No intrusive activities requiring management of on-Site soil or fill material; or the placement of backfill materials occurred during the monitoring period.

3.1.2 Site Land Use

The Site is currently utilized as a commercial retail operation, and is in compliance with the Site's land use criteria (restricted-residential use).

3.2 Long-Term Groundwater Monitoring (LTGWM) Plan

As a requirement of the SMPs, long-term groundwater monitoring is being performed at the Site. Annual groundwater monitoring was conducted during this reporting period in October 2011. The annual groundwater monitoring report for this reporting period are included in Appendix C.

3.3 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines the requirements for the Site, to certify and attest that the institutional controls and/or engineering controls employed at the Site are unchanged from the previous certification. The Annual Certification will primarily consist of an annual Site Inspection to complete the auto-generated NYSDEC Institutional and Engineering Controls (IC/EC) Certification Form. The site inspection will verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

A Site Inspection of the property was conducted by a TurnKey Qualified Environmental Professional (QEP) on August 8, 2012. At the time of the inspection, the property was being used as a commercial retail operation (Family Dollar), with surface parking, paved walkways and landscaped areas. No observable indication of intrusive activities was noted during the Site Inspection. The Site is on municipal water supply, and no observable use of groundwater was noted during the site inspection.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photolog of the site inspection is included in Appendix B.

3.4 Engineering and Institutional Control Requirements and Compliance

As detailed in the Environmental Easements, several Institutional Controls (ICs) need to be maintained as a requirement of the BCA for the Site.

3.4.1 Institutional Controls

- Groundwater-Use Restriction – the use of groundwater for potable and non-potable purposes is prohibited; and
- Land-Use Restriction: The controlled property may be used for restricted-residential, commercial and/or industrial use; and,
- Implementation of the SMP.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions and recommendations are as follows:

- At the time of the site inspection, the Site was in compliance with the Site Management Plan.

The following modifications are recommended for the Site.

- Modify the groundwater monitoring well network, to be included in annual sampling to MW-1 and MW-2 only. Analytical results for MW-5 and MW-6 have been below laboratory detection limits (i.e., non-detect) or below regulatory guidance values for all completed monitoring events.

5.0 DECLARATION/LIMITATION

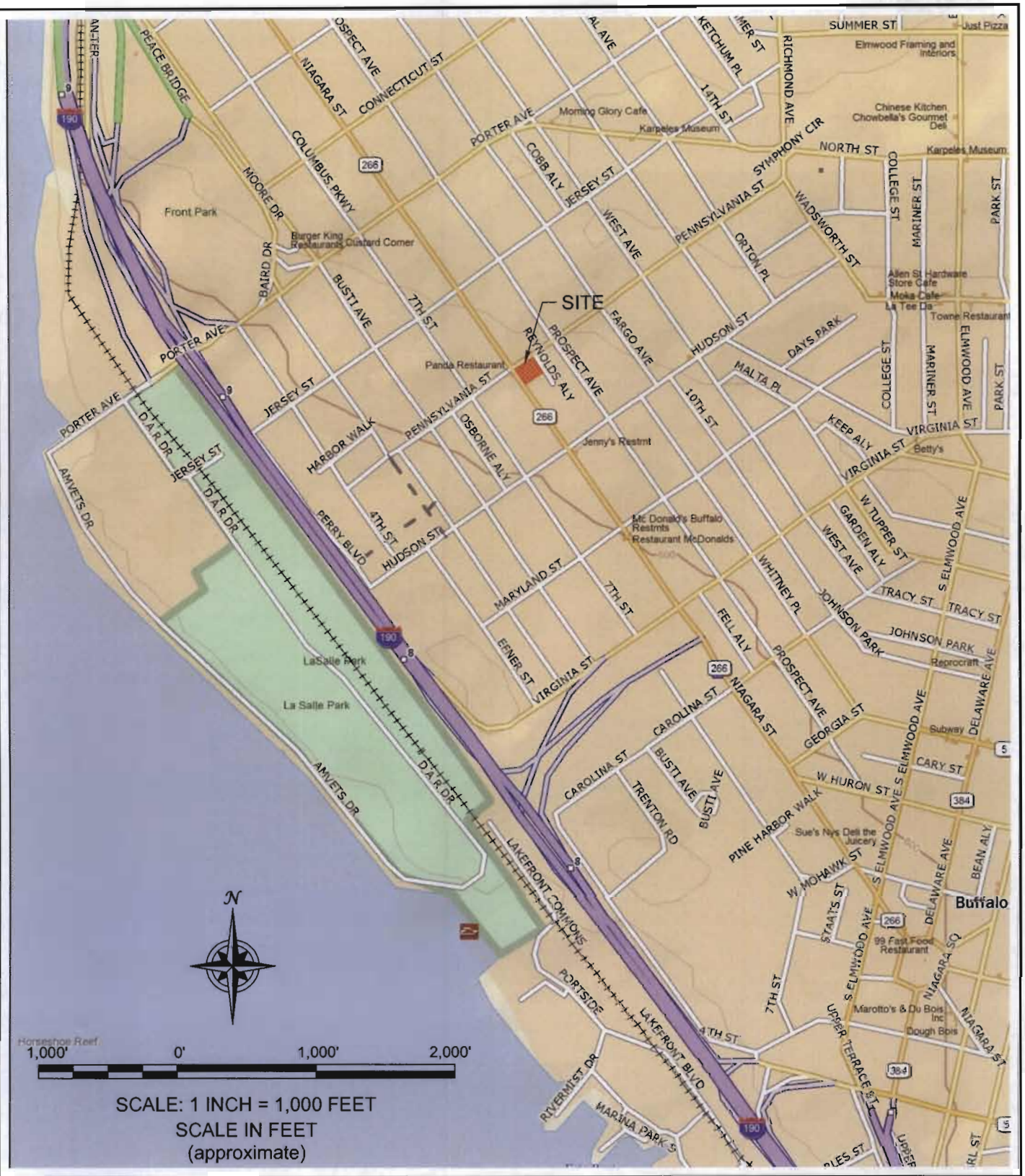
TurnKey Environmental Restoration, LLC in association with Benchmark Environmental Engineering and Science, PLLC, personnel conducted the annual site inspections for Brownfield Cleanup Program Site No. C915223, located in Buffalo, New York, according to generally accepted practices. This report complied with the scope of work provided to 1093 Group, LLC by TurnKey Environmental Restoration, LLC.

This report has been prepared for the exclusive use of 1093 Group, LLC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of 1093 Group, LLC. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of TurnKey Environmental Restoration, LLC.

FIGURES

F:\CAD\TurnKey\Ellicott Development\517 Niagara Street BCP\PRR\Figure 1; Site Location and Vicinity Map.dwg

FIGURE 1



SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE
BCP SITE No. C915223
BUFFALO, NEW YORK

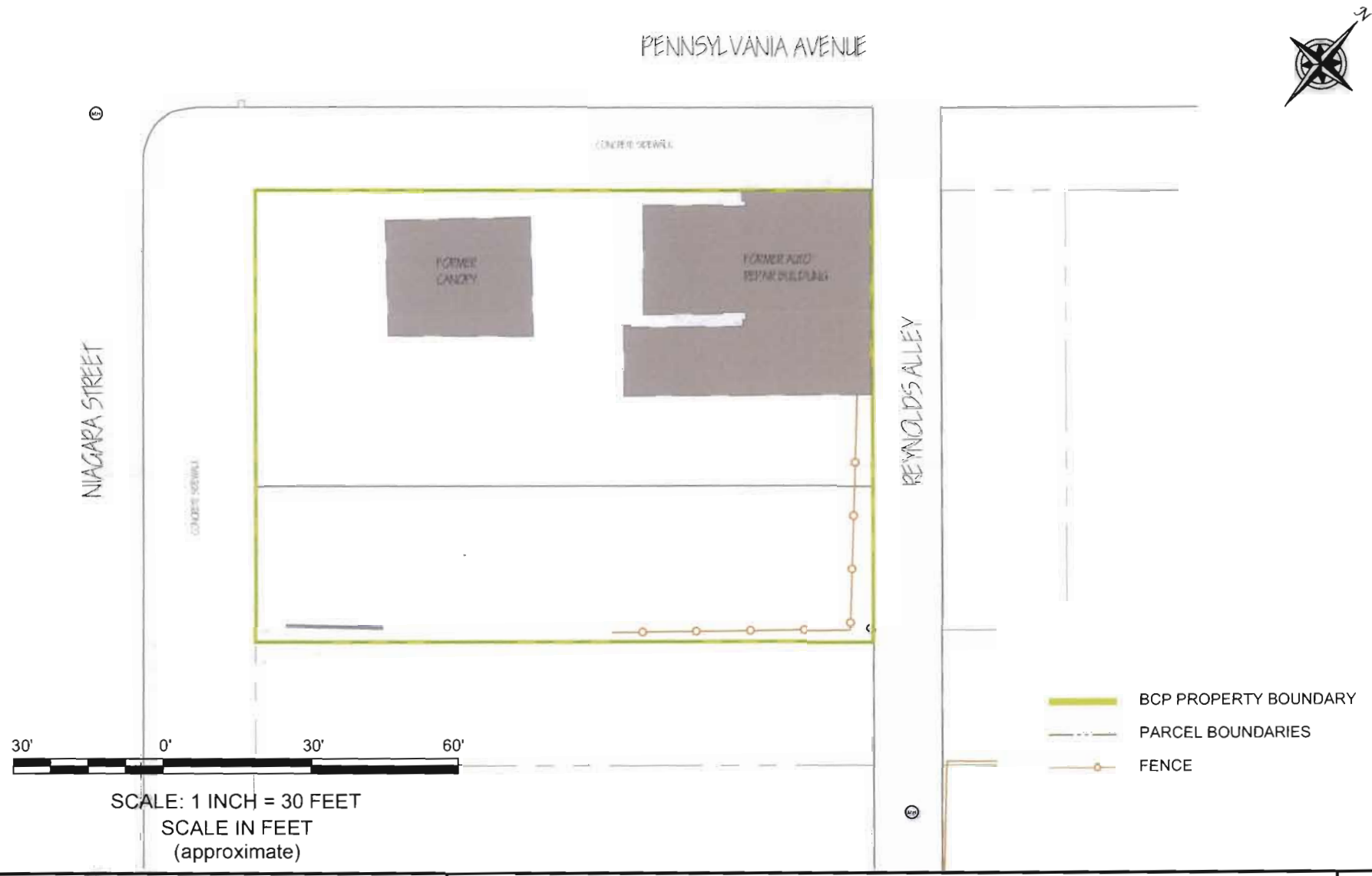
PREPARED FOR

1093 GROUP, LLC

TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO..	0136-002-600
DATE:	AUGUST 2012
DRAFTED BY:	JGT

F:\CAD\TurnKey\Ellicott Development\517 Niagara Street BCP\PRR\Figure 2, Site Plan (Predevelopment).dwg



TURNKEY ENVIRONMENTAL RESTORATION LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0136-002-600

DATE: AUGUST 2012

DRAFTED BY: NTM

SITE PLAN (PRE-REMEDIATION)

PERIODIC REVIEW REPORT

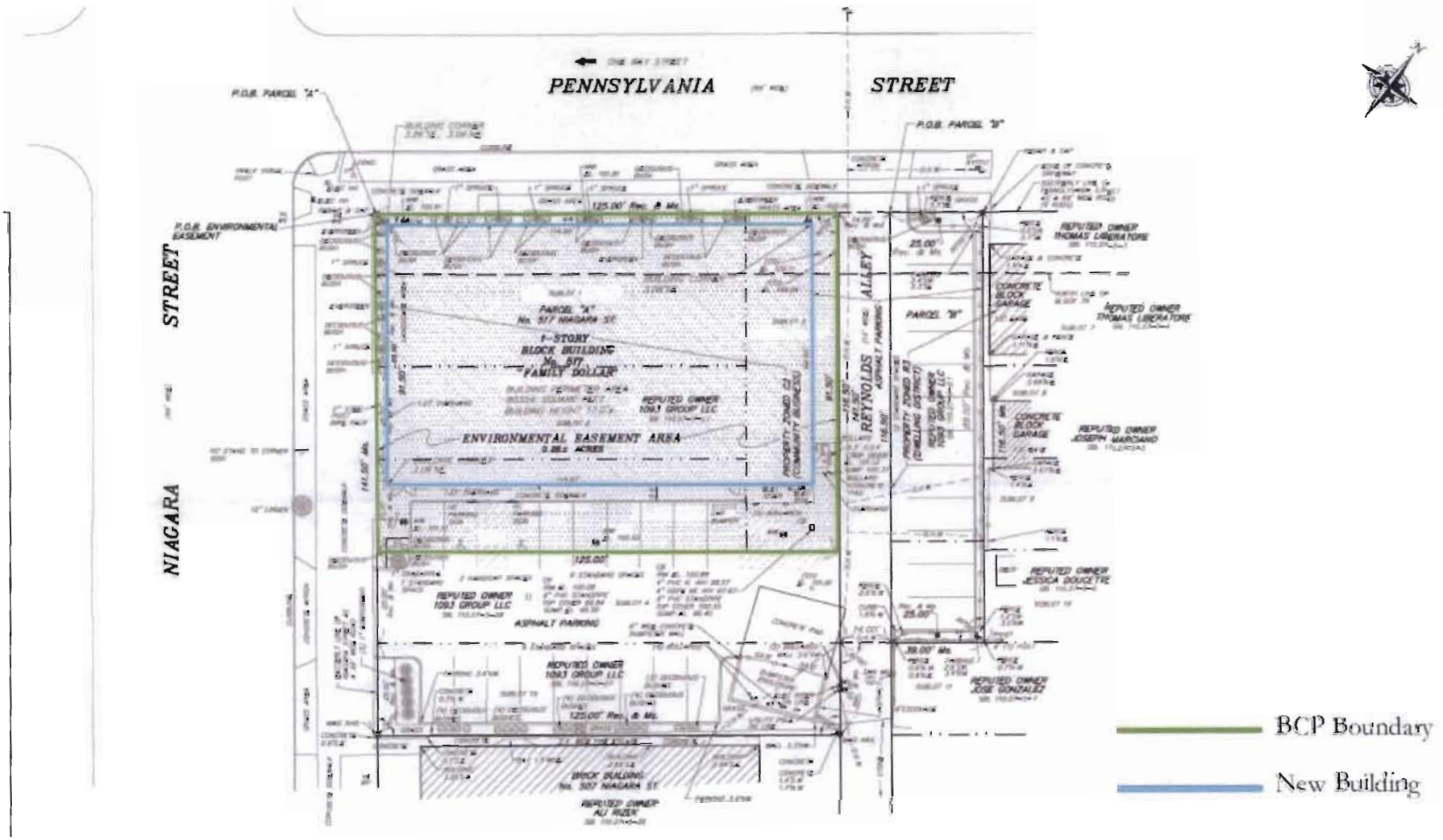
NIAGARA STREET AND PENNSYLVANIA AVENUE SITE
BCP SITE No. C915223
BUFFALO, NEW YORK

PREPARED FOR

1093 GROUP, LLC

FIGURE 2

F:\CAD\TurnKey\Ellicott Development\517 Niagara Street BCP\PRR\Figure 3; Site Plan (Postdevelopment).dwg



Base Map per TVGA

Not to Scale

TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0136-002-600

DATE: AUGUST 2012

DRAFTED BY: JGT

SITE PLAN
POST - CONSTRUCTION

PERIODIC REVIEW REPORT

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE
BCP SITE No. C915223
BUFFALO, NEW YORK

PREPARED FOR

1093 GROUP, LLC

FIGURE 3

APPENDIX A

INSTITUTIONAL CONTROLS CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C915223

Site Name Niagara Street and Pennsylvania Avenue Site

Site Address: 517 Niagara Street Zip Code: 14201
City/Town: Buffalo
County: Erie
Site Acreage: 0.3

Reporting Period: June 24, 2011 to June 24, 2012

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative _____ Date _____

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915223

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
110.27-5-1.1	1093 Group, LLC	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan Site Management Plan Soil Management Plan

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Engineering Control Details for Site No. C915223

Parcel: 110.27-5-1.1

No engineering controls. Institutional controls include an Environmental Easement (EE), and a Site Management Plan, Ground Water Monitoring Plan, and periodic certification. EE restricts site to "restricted residential" use, ground water is prohibited for consumptive use, and SMP is required.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) If a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C915223

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I CORY STEWART at 295 MAIN ST SUITE 210,
print name print business address

am certifying as REPRESENTATIVE FOR OWNER (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

Date 8/28/12

APPENDIX B

SITE PHOTOGRAPH LOG

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: Subject Property (Looking north along Niagara Street)

Photo 2: Subject Property (Parking area – looking east from Niagara Street)

Photo 3: Subject Property (Rear parking area – looking northeast)

Photo 4: Subject Property (Rear parking Area – looking south from Pennsylvania Avenue)

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 5: Subject Property (looking east along Pennsylvania Avenue)

Photo 6: Subject Property (looking south along Niagara Street)

APPENDIX C

SEMI-ANNUAL GROUNDWATER MONITORING REPORT

August 9, 2012

Mr. Dave Szymanski
NY State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Ave.
Buffalo, New York 14203

Re: October 2011 Groundwater Monitoring Events
BCP Site No. C915223
1093 Group, LLC
Buffalo, New York

Dear Mr. Szymanski:

On behalf of our client, 1093 Group, LLC, TurnKey Environmental Restoration, LLC (TurnKey) is herein transmitting the results from the October 2011 annual ground water monitoring event per your approval of the 2011 PRR. Groundwater monitoring was performed on the Niagara Street and Pennsylvania Avenue Site, located at 517 Niagara Street, Buffalo, New York (see Figure 1).

The groundwater monitoring event was performed on October 26th, 2011 and included sampling and analysis of MW-1, MW-2, MW-5, and MW-6. Groundwater samples from each of the sampled wells were analyzed for Target Compound List (TCL) method 8260B STARS list volatile organic compounds (VOCs). Field parameters including pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), temperature, turbidity, and specific conductance was also measured in each of the sampled monitoring wells. Table 1 summarizes the analytical results from the October 2011 groundwater monitoring event with comparison to NYSDEC Class GA groundwater quality standards (GWQS) as listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1). The laboratory analytical package is included in Attachment 1.

As shown on Table 1, no VOCs were detected above the laboratory reporting limits for MW-5 and MW-6. It is noteworthy that benzene concentrations at these two monitoring locations have decreased to non-detectable levels from concentrations formerly exceeding GWQS identified during the Remedial Investigation (RI). Petroleum-related VOCs at MW-2 were detected below GWQS with the exception of benzene for the October 2011 event.

Elevated petroleum-related VOCs exceeding GWQS were detected in MW-1. It should be pointed out that there has been a decrease in total VOC concentrations at this location since site groundwater monitoring began in May 2010. MW-1 is located in the western portion of the site, adjacent to the corner of Niagara Street and Pennsylvania Avenue.

The second annual sampling event is tentatively scheduled to be completed in October 2012.

Please contact us with any questions or comments.

Sincerely,
TurnKey Environmental Restoration, LLC

Michael Lesakowski
Project Manager

Att.

c: C. Stewart (1093 Group, LLC)

file: 0136-002-600

TABLES

TABLE 1
GROUNDWATER ANALYTICAL DATA SUMMARY

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE
BUFFALO, NEW YORK

Parameter [1]	Class GA GWQS [2]	Sample Locations															
		MW-1				MW-2				MW-5				MW-6			
		May-10	Nov-10	May-11	Oct-11	May-10	Nov-10	May-11	Oct-11	May-10	Nov-10	May-11	Oct-11	May-10	Nov-10	May-11	Oct-11
Volatile Organic Compounds (VOCs) - ug/L																	
Benzene	1	**560 D**	**820 D**	**4.7**	**21**	**1.1**	0.64 J	**5**	**7.6**	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	**1700 D**	**1500 D**	**26**	**30**	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	5	**95**	**73**	**15**	**15**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether (MTBE)	10	ND	**49**	ND	ND	5.1	4.4	ND	ND	ND	ND	ND	ND	ND	0.57 J	ND	ND
Toluene	5	**29**	**20**	0.87 J	1.8	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND
Total Xylene	5	**1233 D**	**760 D**	**56**	**67**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	**12**	**27**	**16**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	**290 D**	**190 D**	ND	**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cymene (p-isopropyltoluene)	5	**9.8**	**13**	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	**780 D**	**1000 D**	**96**	**61**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	**83**	**21**	**11**	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	**12**	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	0.96 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in table; all other compounds reported as non-detect.
2. Regulatory limits are NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998).
3. Blind Dup was collected at MW-2, MS/MSD was collected at MW-6.

Definitions:
ND = Parameter not detected above laboratory detection limit
"--" = No guidance value available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
D = All compounds were identified in an analysis at the secondary dilution factor.
BOLD Exceedes NYSDEC Class "GA" Groundwater Quality Standards

FIGURES

TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0136-002-600
DATE: AUGUST 2012
DRAFTED BY: NTM

SAMPLE LOCATIONS

ANNUAL GROUNDWATER MONTORING

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE
BCP SITE No. C915223
BUFFALO, NEW YORK
PREPARED FOR
1093 GROUP, LLC

FIGURE 1

ATTACHMENT 1

LABORATORY ANALYTICAL DATA
OCTOBER 2011 SAMPLING EVENTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-11932-1
Client Project/Site: Niagara & Penn
Sampling Event: Niagara & Penn

For:
Benchmark Env. Eng. & Science, PLLC
2558 Hamburg Turnpike
Suite 300
Lackawanna, New York 14218

Attn: Mr. Michael Lesakowski

Authorized for release by:
11/10/2011 2:04:59 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com

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Definitions/Glossary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Job ID: 480-11932-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-11932-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Client Sample ID: MW-1

Lab Sample ID: 480-11932-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	61		1.0	0.75	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	2.8		1.0	0.77	ug/L	1		8260B	Total/NA
Benzene	21		1.0	0.41	ug/L	1		8260B	Total/NA
Ethylbenzene	30		1.0	0.74	ug/L	1		8260B	Total/NA
Isopropylbenzene	15		1.0	0.79	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	63		2.0	0.66	ug/L	1		8260B	Total/NA
N-Propylbenzene	20		1.0	0.69	ug/L	1		8260B	Total/NA
o-Xylene	4.3		1.0	0.76	ug/L	1		8260B	Total/NA
p-Cymene	5.0		1.0	0.31	ug/L	1		8260B	Total/NA
Toluene	1.8		1.0	0.51	ug/L	1		8260B	Total/NA
Xylenes, Total	67		2.0	0.66	ug/L	1		8260B	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 480-11932-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.6		1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 480-11932-3

No Detections

Client Sample ID: BLIND DUP

Lab Sample ID: 480-11932-4

No Detections

Client Sample ID: MW-6

Lab Sample ID: 480-11932-5

No Detections

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Client Sample ID: MW-1
Date Collected: 10/26/11 11:54
Date Received: 10/27/11 14:41

Lab Sample ID: 480-11932-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	61		1.0	0.75	ug/L			11/08/11 18:42	1
1,3,5-Trimethylbenzene	2.8		1.0	0.77	ug/L			11/08/11 18:42	1
Benzene	21		1.0	0.41	ug/L			11/08/11 18:42	1
Ethylbenzene	30		1.0	0.74	ug/L			11/08/11 18:42	1
Isopropylbenzene	15		1.0	0.79	ug/L			11/08/11 18:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/11 18:42	1
m-Xylene & p-Xylene	63		2.0	0.66	ug/L			11/08/11 18:42	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/08/11 18:42	1
N-Propylbenzene	20		1.0	0.69	ug/L			11/08/11 18:42	1
o-Xylene	4.3		1.0	0.76	ug/L			11/08/11 18:42	1
p-Cymene	5.0		1.0	0.31	ug/L			11/08/11 18:42	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/08/11 18:42	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/08/11 18:42	1
Toluene	1.8		1.0	0.51	ug/L			11/08/11 18:42	1
Xylenes, Total	67		2.0	0.66	ug/L			11/08/11 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*66 - 137*		*11/08/11 18:42*	*1*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*11/08/11 18:42*	*1*
Toluene-d8 (Surr)	*82*		*71 - 126*		*11/08/11 18:42*	*1*

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Client Sample ID: MW-2
Date Collected: 10/26/11 11:34
Date Received: 10/27/11 14:41

Lab Sample ID: 480-11932-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/08/11 19:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/08/11 19:05	1
Benzene	7.6		1.0	0.41	ug/L			11/08/11 19:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/11 19:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/08/11 19:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/11 19:05	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/08/11 19:05	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/08/11 19:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/08/11 19:05	1
o-Xylene	ND		1.0	0.76	ug/L			11/08/11 19:05	1
p-Cymene	ND		1.0	0.31	ug/L			11/08/11 19:05	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/08/11 19:05	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/08/11 19:05	1
Toluene	ND		1.0	0.51	ug/L			11/08/11 19:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/11 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*11/08/11 19:05*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/08/11 19:05*	*1*
Toluene-d8 (Surr)	*108*		*71 - 126*		*11/08/11 19:05*	*1*

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Client Sample ID: MW-5
Date Collected: 10/26/11 10:56
Date Received: 10/27/11 14:41

Lab Sample ID: 480-11932-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/08/11 19:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/08/11 19:28	1
Benzene	ND		1.0	0.41	ug/L			11/08/11 19:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/11 19:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/08/11 19:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/11 19:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/08/11 19:28	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/08/11 19:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/08/11 19:28	1
o-Xylene	ND		1.0	0.76	ug/L			11/08/11 19:28	1
p-Cymene	ND		1.0	0.31	ug/L			11/08/11 19:28	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/08/11 19:28	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/08/11 19:28	1
Toluene	ND		1.0	0.51	ug/L			11/08/11 19:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/11 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*11/08/11 19:28*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/08/11 19:28*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*		*11/08/11 19:28*	*1*

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Client Sample ID: BLIND DUP
Date Collected: 10/26/11 12:00
Date Received: 10/27/11 14:41

Lab Sample ID: 480-11932-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/08/11 19:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/08/11 19:50	1
Benzene	ND		1.0	0.41	ug/L			11/08/11 19:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/11 19:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/08/11 19:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/11 19:50	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/08/11 19:50	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/08/11 19:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/08/11 19:50	1
o-Xylene	ND		1.0	0.76	ug/L			11/08/11 19:50	1
p-Cymene	ND		1.0	0.31	ug/L			11/08/11 19:50	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/08/11 19:50	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/08/11 19:50	1
Toluene	ND		1.0	0.51	ug/L			11/08/11 19:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/11 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*11/08/11 19:50*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/08/11 19:50*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/08/11 19:50*	*1*

Client Sample Results

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Client Sample ID: MW-6
Date Collected: 10/26/11 10:28
Date Received: 10/27/11 14:41

Lab Sample ID: 480-11932-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/08/11 20:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/08/11 20:13	1
Benzene	ND		1.0	0.41	ug/L			11/08/11 20:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/11 20:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/08/11 20:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/11 20:13	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/08/11 20:13	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/08/11 20:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/08/11 20:13	1
o-Xylene	ND		1.0	0.76	ug/L			11/08/11 20:13	1
p-Cymene	ND		1.0	0.31	ug/L			11/08/11 20:13	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/08/11 20:13	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/08/11 20:13	1
Toluene	ND		1.0	0.51	ug/L			11/08/11 20:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/11 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*11/08/11 20:13*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/08/11 20:13*	*1*
Toluene-d8 (Surr)	*109*		*71 - 126*		*11/08/11 20:13*	*1*

Surrogate Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	**Client Sample ID**	**(66-137)**	**(73-120)**	**(71-126)**
480-11932-1	MW-1	120	83	82
480-11932-2	MW-2	94	106	108
480-11932-3	MW-5	95	106	107
480-11932-4	BLIND DUP	95	106	110
480-11932-5	MW-6	93	105	109
480-11932-5 MS	MW-6	93	107	111
480-11932-5 MSD	MW-6	94	108	110
LCS 480-39371/4	Lab Control Sample	94	106	110
MB 480-39371/5	Method Blank	94	108	112

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-39371/5
Matrix: Water
Analysis Batch: 39371

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			11/08/11 15:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			11/08/11 15:09	1
Benzene	ND		1.0	0.41	ug/L			11/08/11 15:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/11 15:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/08/11 15:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/11 15:09	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/08/11 15:09	1
n-Butylbenzene	ND		1.0	0.64	ug/L			11/08/11 15:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			11/08/11 15:09	1
o-Xylene	ND		1.0	0.76	ug/L			11/08/11 15:09	1
p-Cymene	ND		1.0	0.31	ug/L			11/08/11 15:09	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			11/08/11 15:09	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			11/08/11 15:09	1
Toluene	ND		1.0	0.51	ug/L			11/08/11 15:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/11 15:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*11/08/11 15:09*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/08/11 15:09*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/08/11 15:09*	*1*

Lab Sample ID: LCS 480-39371/4
Matrix: Water
Analysis Batch: 39371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	23.5		ug/L		94	76 - 121
Benzene	25.0	22.4		ug/L		90	71 - 124
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Methyl tert-butyl ether	25.0	20.7		ug/L		83	64 - 127
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	76 - 122
o-Xylene	25.0	25.7		ug/L		103	76 - 122
Toluene	25.0	24.5		ug/L		98	70 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Toluene-d8 (Surr)	*110*		*71 - 126*

Lab Sample ID: 480-11932-5 MS
Matrix: Water
Analysis Batch: 39371

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	ND		25.0	16.6	F	ug/L		66	76 - 121
Benzene	ND		25.0	19.0		ug/L		76	71 - 124
Ethylbenzene	ND		25.0	20.3		ug/L		81	77 - 123
Methyl tert-butyl ether	ND		25.0	16.1		ug/L		64	64 - 127
m-Xylene & p-Xylene	ND		50.0	43.1		ug/L		86	76 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-11932-5 MS
Matrix: Water
Analysis Batch: 39371

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	ND		25.0	20.8		ug/L		83	76 - 122
Toluene	ND		25.0	20.7		ug/L		83	70 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Toluene-d8 (Surr)	*111*		*71 - 126*

Lab Sample ID: 480-11932-5 MSD
Matrix: Water
Analysis Batch: 39371

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	ND		25.0	20.2		ug/L		81	76 - 121	20	20
Benzene	ND		25.0	22.8	F	ug/L		91	71 - 124	18	13
Ethylbenzene	ND		25.0	24.5	F	ug/L		98	77 - 123	19	15
Methyl tert-butyl ether	ND		25.0	19.8		ug/L		79	64 - 127	21	37
m-Xylene & p-Xylene	ND		50.0	52.5	F	ug/L		105	76 - 122	20	16
o-Xylene	ND		25.0	25.0	F	ug/L		100	76 - 122	18	16
Toluene	ND		25.0	24.8	F	ug/L		99	70 - 122	18	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Toluene-d8 (Surr)	*110*		*71 - 126*

QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

GC/MS VOA

Analysis Batch: 39371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-11932-1	MW-1	Total/NA	Water	8260B	
480-11932-2	MW-2	Total/NA	Water	8260B	
480-11932-3	MW-5	Total/NA	Water	8260B	
480-11932-4	BLIND DUP	Total/NA	Water	8260B	
480-11932-5	MW-6	Total/NA	Water	8260B	
480-11932-5 MS	MW-6	Total/NA	Water	8260B	
480-11932-5 MSD	MW-6	Total/NA	Water	8260B	
LCS 480-39371/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-39371/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Client Sample ID: MW-1

Lab Sample ID: 480-11932-1
Matrix: Water

Date Collected: 10/26/11 11:54
Date Received: 10/27/11 14:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	39371	11/08/11 18:42	ND	TAL BUF

Client Sample ID: MW-2

Lab Sample ID: 480-11932-2
Matrix: Water

Date Collected: 10/26/11 11:34
Date Received: 10/27/11 14:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	39371	11/08/11 19:05	ND	TAL BUF

Client Sample ID: MW-5

Lab Sample ID: 480-11932-3
Matrix: Water

Date Collected: 10/26/11 10:56
Date Received: 10/27/11 14:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	39371	11/08/11 19:28	ND	TAL BUF

Client Sample ID: BLIND DUP

Lab Sample ID: 480-11932-4
Matrix: Water

Date Collected: 10/26/11 12:00
Date Received: 10/27/11 14:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	39371	11/08/11 19:50	ND	TAL BUF

Client Sample ID: MW-6

Lab Sample ID: 480-11932-5
Matrix: Water

Date Collected: 10/26/11 10:28
Date Received: 10/27/11 14:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	39371	11/08/11 20:13	ND	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: Niagara & Penn

TestAmerica Job ID: 480-11932-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-11932-1	MW-1	Water	10/26/11 11:54	10/27/11 14:41
480-11932-2	MW-2	Water	10/26/11 11:34	10/27/11 14:41
480-11932-3	MW-5	Water	10/26/11 10:56	10/27/11 14:41
480-11932-4	BLIND DUP	Water	10/26/11 12:00	10/27/11 14:41
480-11932-5	MW-6	Water	10/26/11 10:28	10/27/11 14:41

Chain of Custody Record

Temperature on Receipt ___ -

Drinking Water? Yes☐ No☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Turn/Key Environmental	Project Manager: Mike Lesakowski	Date: 10/26/11	Chain of Custody Number: 195226
Address: 2558 Hamburg Turnpike	Telephone Number (Area Code)/Fax Number: (716) 856-0635	Lab Number	Page 1 of 1
City: Lackawanna	State: NY	Zip Code: 14218	Site Contact: M. Beluit	Lab Contact: B. Fischer
Project Name and Location (State): 517 Niagara st (0136-002-600)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	8260 STARS	
MW-1	10/26/11	1154		X						X			3	
MW-2	10/26/11	1134		X						X			3	
MW-5	10/26/11	1056		X						X			3	
Blind Dup	10/26/11	1200		X						X			3	
MW-1 (ms/msD)	10/26/11	1028		X						X			6	

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 STD

QC Requirements (Specify)

1. Relinquished By	Date 10/26/11	Time 1700	1. Received By	Date 10/27/2011	Time 13:51
2. Relinquished By	Date 10/27/2011	Time 14:41	2. Received By Burt	Date 10.27.11	Time 1441
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

Login Sample Receipt Checklist

Client: Benchmark Env. Eng. & Science, PLLC

Job Number: 480-11932-1

Login Number: 11932
List Number: 1
Creator: Wienke, Robert

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	False	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	