

Periodic Review Report

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

July 2011

0136-002-600

Prepared for:

1093 Group, LLC



Prepared by:

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

July 2011

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

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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 December 24, 2009 to June 24, 2011 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 two recommendations for the Site.

- Modify groundwater monitoring to Annual beginning in 2012. To date, 1093 Group, LLC has completed three (3) groundwater monitoring event, and is planning to complete the Fall 2011 semi-annual sampling event. Post-remedial groundwater monitoring results show a continued decrease in contaminant levels, and the Site is in full compliance with the SMP; therefore, a modification to annual groundwater monitoring is prudent and protective of the environment.
- 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. 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. Semi-annual groundwater monitoring was conducted during this reporting period in May and November 2010, and May 2011. The semi-annual groundwater monitoring reports 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 May 13, 2011. 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.

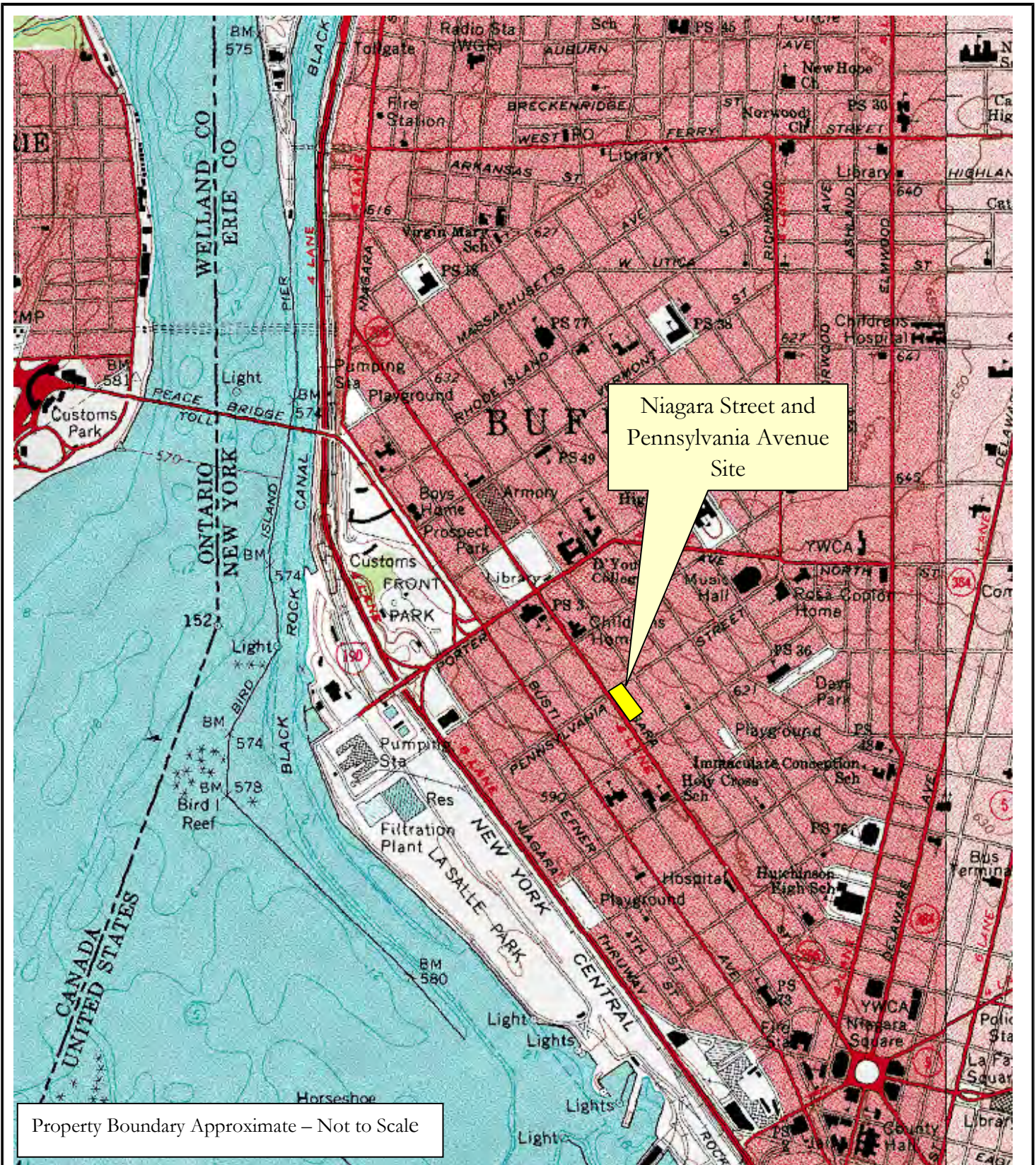
- Modify groundwater monitoring schedule from semi-annual to annual beginning in 2012. To date, 1093 Group, LLC has completed three (3) groundwater monitoring event, and is planning to complete the Fall 2011 semi-annual sampling event in accordance with the Environmental Easement. Post-remedial groundwater monitoring results show a continued decrease in contaminant levels, and the Site is in full compliance with the SMP; therefore, a modification to annual groundwater monitoring is prudent and protective of the environment.
- 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



Property Boundary Approximate – Not to Scale



2558 HAMBURG TURNPIKE
 SUITE 300
 BUFFALO, NY 14218
 (716) 856-0635

SITE LOCATION AND VICINITY MAP
 FINAL ENGINEERING REPORT

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

PROJECT NO.: 0136-002-301

DATE: SEPTEMBER 2009

DRAFTED BY: NTM

PENNSYLVANIA AVENUE



NIAGARA STREET

CONCRETE SIDEWALK

FORMER CANOPY




FORMER AUTO REPAIR BUILDING

REYNOLDS ALLEY

CONCRETE SIDEWALK



SCALE: 1 INCH = 30 FEET
SCALE IN FEET
(approximate)

-  BCP PROPERTY BOUNDARY
-  PARCEL BOUNDARIES
-  FENCE



2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 858-0635

SITE PLAN (PRE-REMEDIATION)

FINAL ENGINEERING REPORT

NIAGARA STREET AND PENNSYLVANIA AVENUE SITE

BCP SITE No. C915223

BUFFALO, NEW YORK

PREPARED FOR

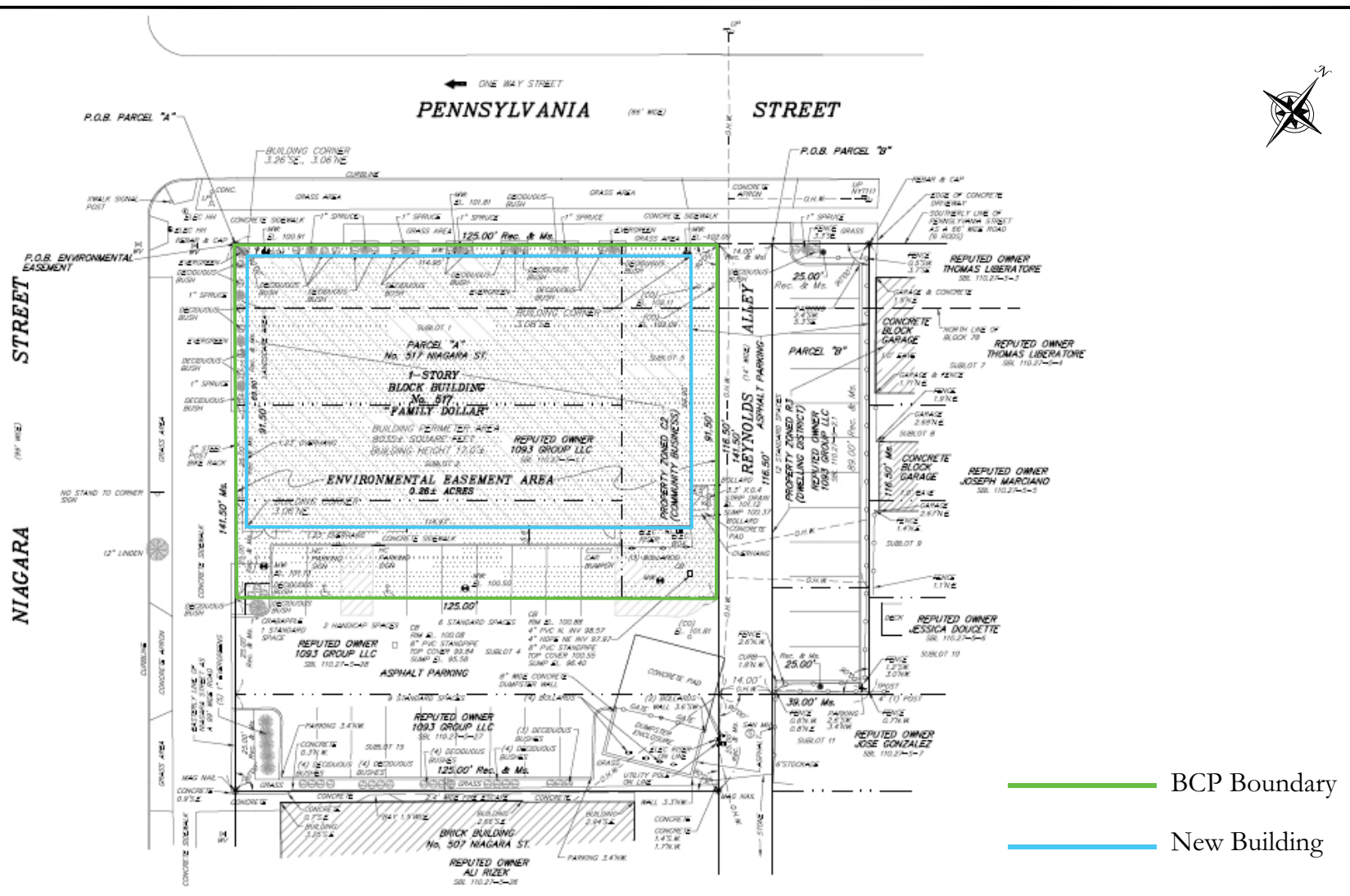
1093 GROUP, LLC

PROJECT NO.: 0136-002-302

DATE: SEPTEMBER 2009

DRAFTED BY: NTM

FIGURE 2



Base Map per TVGA

Not to Scale



2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0136-002-302
DATE: AUGUST 2009
DRAFTED BY: NTM

SITE PLAN POST-CONSTRUCTION SITE MANAGEMENT PLAN

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

FIGURE 2

APPENDIX A

INSTITUTIONAL CONTROLS CERTIFICATION FORM



Enclosure 1
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: December 24, 2009 to June 24, 2011			
		YES	NO
1. Is the information above correct?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Box 2	
		YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial		<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are all ICs/ECs in place and functioning as designed?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM.			
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

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

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? NO
(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.

Box 3

SITE NO. C915223

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
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

Control Description 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.

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 complete.

YES NO

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

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

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

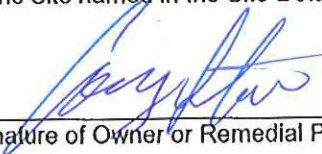
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 2 and/or 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 CORREY STEWART at 295 MAIN ST. SUITE 210
print name print business address

am certifying as REMEDIAL PARTY (Owner or Remedial Party)

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


Signature of Owner or Remedial Party Rendering Certification

7/20/11
Date

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 north)

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

Niagara Street and Pennsylvania Avenue Site
Buffalo, New York



SITE PHOTOGRAPHS

Photo 5:



Photo 6:



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

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

Niagara Street and Pennsylvania Avenue Site
Buffalo, New York



APPENDIX C

SEMI-ANNUAL GROUNDWATER MONITORING REPORT



June 24, 2011

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

Re: May 2011 and November 2010 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 November 2010 and May 2011 semi-annual ground water monitoring event performed for the Niagara Street and Pennsylvania Avenue Site, located at 517 Niagara Street, Buffalo, New York (see Figure 1).

The groundwater monitoring events were performed on November 8th, 2010 and May 13th, 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 November 2010 and May 2011 groundwater monitoring events 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 May 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 semi-annual sampling event is tentatively scheduled to be completed in September/October 2011.

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

Notes:

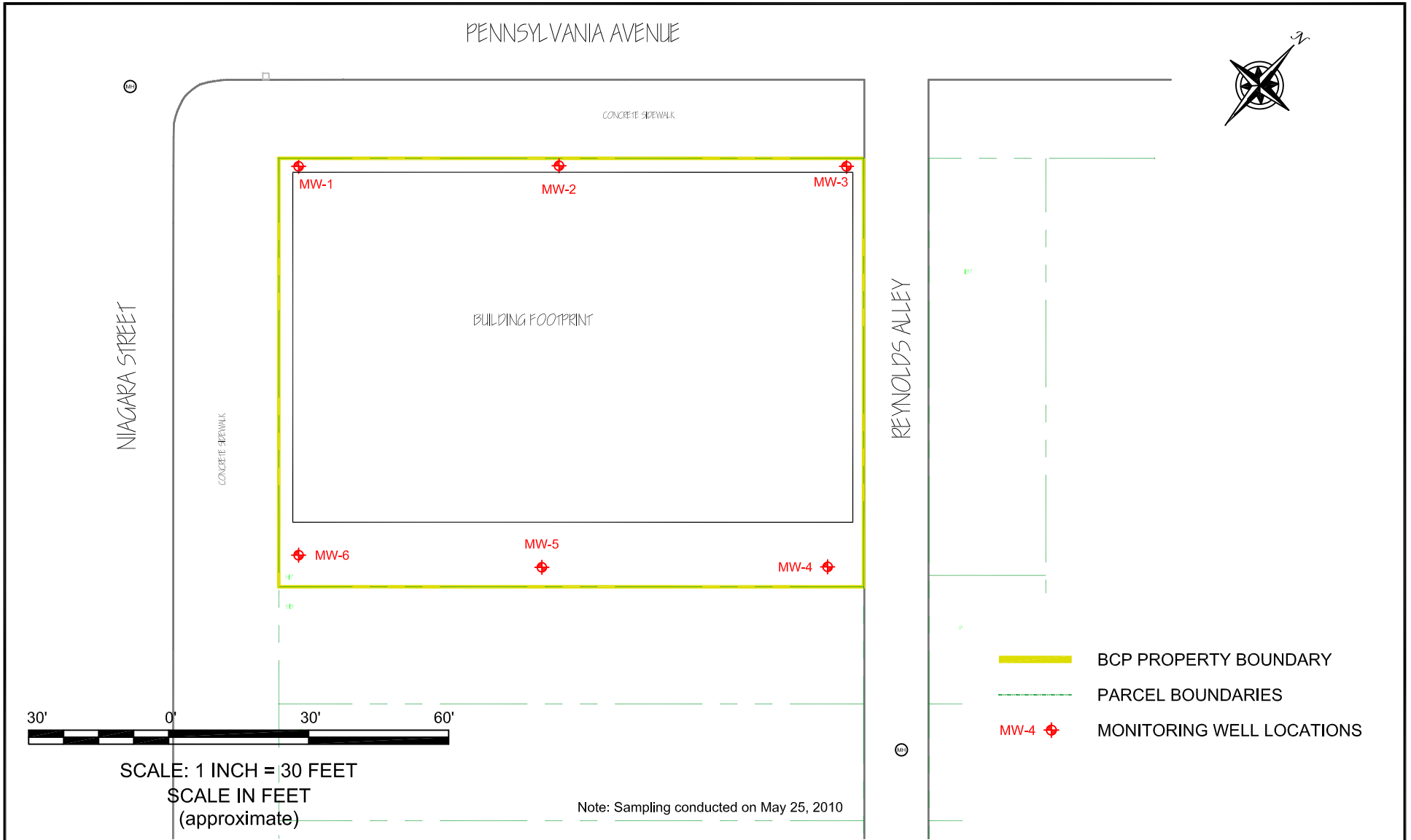

1. Only those parameters detected at a minimum of one sample location are presented in table; all other compounds reported as non-detect.
2. Regulatory limits are NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater 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 Exceeds NYSDEC Class "GA" Groundwater Quality Standards

FIGURES

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 858-0635

PROJECT NO.: 0136-002-600

DATE: MAY 2010

DRAFTED BY: NTM

SAMPLE LOCATIONS

SEMI-ANNUAL GROUNDWATER MONITORING
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 NOVEMBER 2010 AND MAY 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: 480-4940-1

Client Project/Site: Turnkey - 517 Niagara St. site

For:

Turnkey Environmental Restoration, LLC

2558 Hamburg Turnpike

Suite 300

Lackawanna, New York 14218

Attn: Mr. Michael Lesakowski



Authorized for release by:

05/25/2011 11:28:28 AM

Brian Fischer

Project Manager II

brian.fischer@testamericainc.com

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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- 14
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Analytical Report

Work Order: RTK0820

Project Description

Benchmark - Niagara St. site

For:

Mike Lesakowski

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Thursday, November 18, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA, RCRA	NY200003
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTK0820

Project: Benchmark - Niagara St. site
Project Number: TURN

Received: 11/09/10
Reported: 11/18/10 09:18

CASE NARRATIVE

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

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

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DATA QUALIFIERS AND DEFINITIONS

- D08** Dilution required due to high concentration of target analyte(s)
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- M8** The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

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Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK0820-01 (MW-1 - Water)					Sampled: 11/08/10 12:10			Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,3,5-Trimethylbenzene	21		1.0	0.77	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
p-Cymene	13		1.0	0.31	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
Isopropylbenzene	73		1.0	0.79	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
Methyl-t-Butyl Ether (MTBE)	49		1.0	0.16	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
n-Butylbenzene	27		1.0	0.64	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
o-Xylene	25		1.0	0.76	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
sec-Butylbenzene	12		1.0	0.75	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
Toluene	20		1.0	0.51	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
Sample ID: RTK0820-01RE1 (MW-1 - Water)					Sampled: 11/08/10 12:10			Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	1000	D08	20	15	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
Benzene	820	D08	20	8.2	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
Ethylbenzene	1500	D08	20	15	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
m-Xylene & p-Xylene	730	D08	40	13	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
n-Propylbenzene	190	D08	20	14	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
Xylenes, total	760	D08	40	13	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
Sample ID: RTK0820-02 (MW-2 - Water)					Sampled: 11/08/10 12:30			Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Benzene	0.64	J	1.0	0.41	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
Methyl-t-Butyl Ether (MTBE)	4.4		1.0	0.16	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
Sample ID: RTK0820-06 (MW-6 - Water)					Sampled: 11/08/10 10:40			Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Methyl-t-Butyl Ether (MTBE)	0.57	J	1.0	0.16	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
Sample ID: RTK0820-07 (BLIND DUP - Water)					Sampled: 11/08/10 08:00			Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Methyl-t-Butyl Ether (MTBE)	0.56	J	1.0	0.16	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B

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Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-1	RTK0820-01	Water	11/08/10 12:10	11/09/10 14:25	
MW-2	RTK0820-02	Water	11/08/10 12:30	11/09/10 14:25	
MW-5	RTK0820-03	Water	11/08/10 11:02	11/09/10 14:25	
MW-6	RTK0820-06	Water	11/08/10 10:40	11/09/10 14:25	
BLIND DUP	RTK0820-07	Water	11/08/10 08:00	11/09/10 14:25	
EQ BLANK	RTK0820-08	Water	11/08/10 08:00	11/09/10 14:25	
TRIP BLANK	RTK0820-09	Water	11/08/10	11/09/10 14:25	

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Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK0820-01 (MW-1 - Water)					Sampled: 11/08/10 12:10			Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,3,5-Trimethylbenzene	21		1.0	0.77	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
p-Cymene	13		1.0	0.31	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
Isopropylbenzene	73		1.0	0.79	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
Methyl-t-Butyl Ether (MTBE)	49		1.0	0.16	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
n-Butylbenzene	27		1.0	0.64	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
o-Xylene	25		1.0	0.76	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
sec-Butylbenzene	12		1.0	0.75	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
Toluene	20		1.0	0.51	ug/L	1.00	11/13/10 13:38	NMD	10K1327	8260B
1,2-Dichloroethane-d4	107 %		<i>Surr Limits: (66-137%)</i>				11/13/10 13:38	NMD	10K1327	8260B
4-Bromofluorobenzene	103 %		<i>Surr Limits: (73-120%)</i>				11/13/10 13:38	NMD	10K1327	8260B
Toluene-d8	110 %		<i>Surr Limits: (71-126%)</i>				11/13/10 13:38	NMD	10K1327	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK0820-01RE1 (MW-1 - Water)					Sampled: 11/08/10 12:10			Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	1000	D08	20	15	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
Benzene	820	D08	20	8.2	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
Ethylbenzene	1500	D08	20	15	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
m-Xylene & p-Xylene	730	D08	40	13	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
n-Propylbenzene	190	D08	20	14	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
Xylenes, total	760	D08	40	13	ug/L	20.0	11/15/10 13:41	LH	10K1430	8260B
1,2-Dichloroethane-d4	104 %	D08	Surr Limits: (66-137%)				11/15/10 13:41	LH	10K1430	8260B
4-Bromofluorobenzene	104 %	D08	Surr Limits: (73-120%)				11/15/10 13:41	LH	10K1430	8260B
Toluene-d8	112 %	D08	Surr Limits: (71-126%)				11/15/10 13:41	LH	10K1430	8260B

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Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK0820-02 (MW-2 - Water)						Sampled: 11/08/10 12:30		Recvd: 11/09/10 14:25		
Volatile Organic Compounds by EPA 8260B										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
Benzene	0.64	J	1.0	0.41	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
Methyl-t-Butyl Ether (MTBE)	4.4		1.0	0.16	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/15/10 14:04	LH	10K1430	8260B
1,2-Dichloroethane-d4	103 %		Surr Limits: (66-137%)				11/15/10 14:04	LH	10K1430	8260B
4-Bromofluorobenzene	109 %		Surr Limits: (73-120%)				11/15/10 14:04	LH	10K1430	8260B
Toluene-d8	108 %		Surr Limits: (71-126%)				11/15/10 14:04	LH	10K1430	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK0820-03 (MW-5 - Water)						Sampled: 11/08/10 11:02		Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/13/10 14:24	NMD	10K1327	8260B
1,2-Dichloroethane-d4	103 %		<i>Surr Limits: (66-137%)</i>				11/13/10 14:24	NMD	10K1327	8260B
4-Bromofluorobenzene	101 %		<i>Surr Limits: (73-120%)</i>				11/13/10 14:24	NMD	10K1327	8260B
Toluene-d8	108 %		<i>Surr Limits: (71-126%)</i>				11/13/10 14:24	NMD	10K1327	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK0820-06 (MW-6 - Water)						Sampled: 11/08/10 10:40		Recvd: 11/09/10 14:25		
Volatile Organic Compounds by EPA 8260B										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
Methyl-t-Butyl Ether (MTBE)	0.57	J	1.0	0.16	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/13/10 15:33	NMD	10K1327	8260B
1,2-Dichloroethane-d4	105 %		Surr Limits: (66-137%)				11/13/10 15:33	NMD	10K1327	8260B
4-Bromofluorobenzene	100 %		Surr Limits: (73-120%)				11/13/10 15:33	NMD	10K1327	8260B
Toluene-d8	108 %		Surr Limits: (71-126%)				11/13/10 15:33	NMD	10K1327	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK0820-07 (BLIND DUP - Water)						Sampled: 11/08/10 08:00		Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
Methyl-t-Butyl Ether (MTBE)	0.56	J	1.0	0.16	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/15/10 14:28	LH	10K1430	8260B
<hr/>										
1,2-Dichloroethane-d4	106 %		<i>Surr Limits: (66-137%)</i>				11/15/10 14:28	LH	10K1430	8260B
4-Bromofluorobenzene	98 %		<i>Surr Limits: (73-120%)</i>				11/15/10 14:28	LH	10K1430	8260B
Toluene-d8	111 %		<i>Surr Limits: (71-126%)</i>				11/15/10 14:28	LH	10K1430	8260B

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 Reported: 11/18/10 09:18

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK0820-08 (EQ BLANK - Water)						Sampled: 11/08/10 08:00		Recvd: 11/09/10 14:25		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/13/10 16:19	NMD	10K1327	8260B
1,2-Dichloroethane-d4	106 %						11/13/10 16:19	NMD	10K1327	8260B
4-Bromofluorobenzene	101 %						11/13/10 16:19	NMD	10K1327	8260B
Toluene-d8	109 %						11/13/10 16:19	NMD	10K1327	8260B
			<i>Surr Limits: (66-137%)</i>							
			<i>Surr Limits: (73-120%)</i>							
			<i>Surr Limits: (71-126%)</i>							

Benchmark Environmental & Engineering Science
 2558 Hamburg Turnpike, Suite 300
 Lackawanna, NY 14218

Work Order: RTK0820
 Project: Benchmark - Niagara St. site
 Project Number: TURN

Received: 11/09/10
 Reported: 11/18/10 09:18

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTK0820-09 (TRIP BLANK - Water)					Sampled: 11/08/10			Recvd: 11/09/10 14:25		
Volatile Organic Compounds by EPA 8260B										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/13/10 16:43	NMD	10K1327	8260B
1,2-Dichloroethane-d4	108 %		Surr Limits: (66-137%)				11/13/10 16:43	NMD	10K1327	8260B
4-Bromofluorobenzene	99 %		Surr Limits: (73-120%)				11/13/10 16:43	NMD	10K1327	8260B
Toluene-d8	107 %		Surr Limits: (71-126%)				11/13/10 16:43	NMD	10K1327	8260B

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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Volatile Organic Compounds by EPA 8260B									
8260B	10K1430	RTK0820-01RE1	5.00	mL	5.00	mL	11/15/10 10:19	LCH	5030B MS
8260B	10K1430	RTK0820-02	5.00	mL	5.00	mL	11/15/10 10:19	LCH	5030B MS
8260B	10K1430	RTK0820-07	5.00	mL	5.00	mL	11/15/10 10:19	LCH	5030B MS
8260B	10K1327	RTK0820-01	5.00	mL	5.00	mL	11/13/10 10:24	NMD	5030B MS
8260B	10K1327	RTK0820-03	5.00	mL	5.00	mL	11/13/10 10:24	NMD	5030B MS
8260B	10K1327	RTK0820-06	5.00	mL	5.00	mL	11/13/10 10:24	NMD	5030B MS
8260B	10K1327	RTK0820-08	5.00	mL	5.00	mL	11/13/10 10:24	NMD	5030B MS
8260B	10K1327	RTK0820-09	5.00	mL	5.00	mL	11/13/10 10:24	NMD	5030B MS

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/13/10 (Lab Number:10K1327-BLK1, Batch: 10K1327)											
1,2,4-Trimethylbenzene			1.0	0.75	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND					
p-Cymene			1.0	0.31	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)			1.0	0.16	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.66	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND					
n-Propylbenzene			1.0	0.69	ug/L	ND					
o-Xylene			1.0	0.76	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND					
tert-Butylbenzene			1.0	0.81	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					

<i>Surrogate:</i>					ug/L		88	66-137			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>					ug/L		104	73-120			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>					ug/L		107	71-126			

LCS Analyzed: 11/13/10 (Lab Number:10K1327-BS1, Batch: 10K1327)

1,1,1,2-Tetrachloroethane			1.0	0.35	ug/L	ND		76-122			
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND		70-126			
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND		60-140			
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	24.9	100	71-129			
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	25.4	102	65-138			
1,1-Dichloropropene			1.0	0.72	ug/L	ND		72-122			
1,1-Dimethoxyethane			5.0	1.6	ug/L	ND					
1,2,3-Trichlorobenzene			1.0	0.41	ug/L	ND		64-121			
1,2,3-Trichloropropane			1.0	0.89	ug/L	ND		68-131			
1,2,3-Trimethylbenzene			1.0	0.26	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND		70-122			
1,2,4-Trimethylbenzene		25.0	1.0	0.75	ug/L	27.7	111	76-121			
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND		56-134			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 11/13/10 (Lab Number:10K1327-BS1, Batch: 10K1327)											
1,2-Dibromoethane			1.0	0.73	ug/L	ND		77-120			
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	26.8	107	77-120			
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	25.6	102	75-127			
1,2-Dichloroethene, Total			2.0	0.70	ug/L	50.0		72-124			
1,2-Dichloropropane			1.0	0.72	ug/L	ND		76-120			
1,3,5-Trichlorobenzene			1.0	0.23	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND		77-121			
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND		77-120			
1,3-Dichloropropane			1.0	0.75	ug/L	ND		75-120			
1,3-Dichloropropene, Total			2.0	0.72	ug/L	ND		72-124			
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND		75-120			
1,4-Dioxane			40	9.3	ug/L	ND		49-146			
2,2-Dichloropropane			1.0	0.40	ug/L	ND		63-136			
2-Butanone			10	1.3	ug/L	ND		57-140			
2-Chloroethyl vinyl ether			5.0	0.96	ug/L	ND		60-140			
2-Chlorotoluene			1.0	0.86	ug/L	ND		76-121			
2-Hexanone			5.0	1.2	ug/L	ND		65-127			
2-Methylthiophene			1.0	0.44	ug/L	ND					
3-Chlorotoluene			1.0	0.45	ug/L	ND					
3-Methylthiophene			1.0	0.53	ug/L	ND					
4-Chlorotoluene			1.0	0.84	ug/L	ND		77-121			
p-Cymene			1.0	0.31	ug/L	ND		73-120			
4-Methyl-2-pentanone			5.0	2.1	ug/L	ND		71-125			
Acetone			10	3.0	ug/L	ND		56-142			
Acetonitrile			40	26	ug/L	ND		60-140			
Acrolein			20	18	ug/L	ND		60-140			
Acrylonitrile			5.0	0.83	ug/L	ND		63-138			
Allyl chloride			1.0	0.44	ug/L	ND		60-140			
Benzene		25.0	1.0	0.41	ug/L	25.5	102	71-124			
Bromobenzene			1.0	0.80	ug/L	ND		78-120			
Bromochloromethane			1.0	0.87	ug/L	ND		72-130			
Bromodichloromethane			1.0	0.39	ug/L	ND		80-122			
Bromoform			1.0	0.26	ug/L	ND		66-128			
Bromomethane			1.0	0.69	ug/L	ND		36-150			
Carbon disulfide			1.0	0.19	ug/L	ND		59-134			
Carbon Tetrachloride			1.0	0.27	ug/L	ND		72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	27.1	108	72-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 11/13/10 (Lab Number:10K1327-BS1, Batch: 10K1327)											
Dibromochloromethane			1.0	0.32	ug/L	ND		75-125			
Chlorodifluoromethane			1.0	0.26	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND		69-136			
Chloroform			1.0	0.34	ug/L	ND		73-127			
Chloromethane			1.0	0.35	ug/L	ND		49-142			
Chloroprene			1.0	0.49	ug/L	ND		60-140			
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	24.4	98	74-124			
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND		74-124			
Cyclohexane			1.0	0.18	ug/L	ND		70-130			
Cyclohexanone			10	5.2	ug/L	ND					
Dibromomethane			1.0	0.41	ug/L	ND		76-127			
Dichlorodifluoromethane			1.0	0.68	ug/L	ND		33-157			
Dichlorofluoromethane			1.0	0.34	ug/L	ND					
Dicyclopentadiene			1.0	0.22	ug/L	ND					
Diethyl ether			5.0	0.72	ug/L	ND		70-129			
Epichlorohydrin			20	8.4	ug/L	ND					
Ethyl Acetate			1.0	0.66	ug/L	ND					
Ethyl Methacrylate			1.0	0.59	ug/L	ND		60-140			
Ethyl tert-Butyl Ether			1.0	0.29	ug/L	ND		75-125			
Ethylbenzene		25.0	1.0	0.74	ug/L	27.1	108	77-123			
Heptane			20	0.42	ug/L	ND					
Hexachlorobutadiene			1.0	0.28	ug/L	ND		62-124			
Hexane			10	0.40	ug/L	ND					
Iodomethane			1.0	0.30	ug/L	ND		52-151			
Isobutanol			40	20	ug/L	ND		60-140			
Isopropyl alcohol			20	18	ug/L	ND					
Isopropyl ether			1.0	0.59	ug/L	ND		75-125			
Isopropylbenzene			1.0	0.79	ug/L	ND		77-122			
Methacrylonitrile			5.0	0.69	ug/L	ND		60-140			
Methyl Acetate			1.0	0.50	ug/L	ND		60-140			
Methyl Methacrylate			1.0	0.61	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	1.0	0.16	ug/L	20.6	82	64-127			
Methylcyclohexane			1.0	0.16	ug/L	ND		60-140			
Methylene Chloride			1.0	0.44	ug/L	ND		57-132			
m-Monochlorobenzotrifluoride			1.0	0.49	ug/L	ND					
m-Xylene & p-Xylene		50.0	2.0	0.66	ug/L	54.8	110	76-122			
n-Butanol			40	8.8	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 11/13/10 (Lab Number:10K1327-BS1, Batch: 10K1327)											
n-Butylbenzene			1.0	0.64	ug/L	ND		71-128			
n-Propylbenzene			1.0	0.69	ug/L	ND		77-120			
o-Monochlorobenzotrifluoride			1.0	0.50	ug/L	ND					
o-Xylene		25.0	1.0	0.76	ug/L	26.6	106	76-122			
Pentachloroethane			1.0	0.34	ug/L	ND					
p-Monochlorobenzotrifluoride			1.0	0.21	ug/L	ND					
Propionitrile			10	5.8	ug/L	ND		60-140			
Propylene Oxide			5.0	2.5	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND		74-127			
Styrene			1.0	0.73	ug/L	ND		70-130			
t-Amyl alcohol			1.0	1.0	ug/L	ND		75-125			
t-Butanol			20	14	ug/L	ND		75-125			
Tert-Amyl Methyl Ether			1.0	0.27	ug/L	ND		75-125			
tert-Butylbenzene			1.0	0.81	ug/L	ND		75-123			
Tetrachloroethene		25.0	1.0	0.36	ug/L	27.5	110	74-122			
Tetrahydrofuran			5.0	1.3	ug/L	ND		59.4-127			
Toluene		25.0	1.0	0.51	ug/L	25.9	104	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	25.6	102	73-127			
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND		72-123			
trans-1,4-Dichloro-2-butene			5.0	2.1	ug/L	ND		38-155			
Trichloroethene		25.0	1.0	0.46	ug/L	26.3	105	74-123			
Trichlorofluoromethane			1.0	0.88	ug/L	ND		62-152			
Vinyl acetate			5.0	0.85	ug/L	ND		50-144			
Vinyl chloride			1.0	0.90	ug/L	ND		65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	81.5	109	76-122			
2-Nitropropane			5.0	2.2	ug/L	ND					

<i>Surrogate:</i>					ug/L		101	66-137			
<i>1,2-Dichloroethane-d4</i>					ug/L		104	73-120			
<i>Surrogate:</i>					ug/L						
<i>4-Bromofluorobenzene</i>					ug/L		109	71-126			
<i>Surrogate: Toluene-d8</i>					ug/L						

Matrix Spike Analyzed: 11/13/10 (Lab Number:10K1327-MS1, Batch: 10K1327)

QC Source Sample: RTK0820-03

1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L	ND		76-122			
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	ND		70-126			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 11/13/10 (Lab Number:10K1327-MS1, Batch: 10K1327)											
QC Source Sample: RTK0820-03											
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	ND		60-140			
1,1-Dichloroethane	ND	25.0	1.0	0.38	ug/L	28.8	115	71-129			
1,1-Dichloroethene	ND	25.0	1.0	0.29	ug/L	27.1	108	65-138			
1,1-Dichloropropene	ND		1.0	0.72	ug/L	ND		72-122			
1,1-Dimethoxyethane	ND		5.0	1.6	ug/L	ND					
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L	ND		64-121			
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L	ND		68-131			
1,2,3-Trimethylbenzene	ND		1.0	0.26	ug/L	ND					
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	ND		70-122			
1,2,4-Trimethylbenzene	ND	25.0	1.0	0.75	ug/L	27.2	109	76-121			
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	ND		56-134			
1,2-Dibromoethane	ND		1.0	0.73	ug/L	ND		77-120			
1,2-Dichlorobenzene	ND	25.0	1.0	0.79	ug/L	28.6	114	77-120			
1,2-Dichloroethane	ND	25.0	1.0	0.21	ug/L	28.3	113	75-127			
1,2-Dichloroethene, Total	ND		2.0	0.70	ug/L	57.5		72-124			
1,2-Dichloropropane	ND		1.0	0.72	ug/L	ND		76-120			
1,3,5-Trichlorobenzene	ND		1.0	0.23	ug/L	ND					
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	ND		77-121			
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	ND		77-120			
1,3-Dichloropropane	ND		1.0	0.75	ug/L	ND		75-120			
1,3-Dichloropropene, Total	ND		2.0	0.72	ug/L	ND		72-124			
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	ND		75-120			
1,4-Dioxane	ND		40	9.3	ug/L	ND		49-146			
2,2-Dichloropropane	ND		1.0	0.40	ug/L	ND		63-136			
2-Butanone	ND		10	1.3	ug/L	ND		57-140			
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L	ND		60-140			
2-Chlorotoluene	ND		1.0	0.86	ug/L	ND		76-121			
2-Hexanone	ND		5.0	1.2	ug/L	ND		65-127			
2-Methylthiophene	ND		1.0	0.44	ug/L	ND					
3-Chlorotoluene	ND		1.0	0.45	ug/L	ND					
3-Methylthiophene	ND		1.0	0.53	ug/L	ND					
4-Chlorotoluene	ND		1.0	0.84	ug/L	ND		77-121			
p-Cymene	ND		1.0	0.31	ug/L	ND		73-120			
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	ND		71-125			

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Project: Benchmark - Niagara St. site
Project Number: TURN

Received: 11/09/10
Reported: 11/18/10 09:18

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 11/13/10 (Lab Number:10K1327-MS1, Batch: 10K1327)											
QC Source Sample: RTK0820-03											
Acetone	ND		10	3.0	ug/L	ND		56-142			
Acetonitrile	ND		40	26	ug/L	ND		60-140			
Acrolein	ND		20	18	ug/L	ND		60-140			
Acrylonitrile	ND		5.0	0.83	ug/L	ND		63-138			
Allyl chloride	ND		1.0	0.44	ug/L	ND		60-140			
Benzene	ND	25.0	1.0	0.41	ug/L	28.2	113	71-124			
Bromobenzene	ND		1.0	0.80	ug/L	ND		78-120			
Bromochloromethane	ND		1.0	0.87	ug/L	ND		72-130			
Bromodichloromethane	ND		1.0	0.39	ug/L	ND		80-122			
Bromoform	ND		1.0	0.26	ug/L	ND		66-128			
Bromomethane	ND		1.0	0.69	ug/L	ND		36-150			
Carbon disulfide	ND		1.0	0.19	ug/L	ND		59-134			
Carbon Tetrachloride	ND		1.0	0.27	ug/L	ND		72-134			
Chlorobenzene	ND	25.0	1.0	0.75	ug/L	29.6	118	72-120			
Dibromochloromethane	ND		1.0	0.32	ug/L	ND		75-125			
Chlorodifluoromethane	ND		1.0	0.26	ug/L	ND					
Chloroethane	ND		1.0	0.32	ug/L	ND		69-136			
Chloroform	ND		1.0	0.34	ug/L	ND		73-127			
Chloromethane	ND		1.0	0.35	ug/L	ND		49-142			
Chloroprene	ND		1.0	0.49	ug/L	ND		60-140			
cis-1,2-Dichloroethene	ND	25.0	1.0	0.81	ug/L	26.5	106	74-124			
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	ND		74-124			
Cyclohexane	ND		1.0	0.18	ug/L	ND		70-130			
Cyclohexanone	ND		10	5.2	ug/L	ND					
Dibromomethane	ND		1.0	0.41	ug/L	ND		76-127			
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	ND		33-157			
Dichlorofluoromethane	ND		1.0	0.34	ug/L	ND					
Dicyclopentadiene	ND		1.0	0.22	ug/L	ND					
Diethyl ether	ND		5.0	0.72	ug/L	ND		70-129			
Epichlorohydrin	ND		20	8.4	ug/L	ND					
Ethyl Acetate	ND		1.0	0.66	ug/L	ND					
Ethyl Methacrylate	ND		1.0	0.59	ug/L	ND		60-140			
Ethyl tert-Butyl Ether	ND		1.0	0.29	ug/L	ND		75-125			
Ethylbenzene	ND	25.0	1.0	0.74	ug/L	29.9	120	77-123			
Heptane	ND		20	0.42	ug/L	ND					
Hexachlorobutadiene	ND		1.0	0.28	ug/L	ND		62-124			
Hexane	ND		10	0.40	ug/L	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 11/13/10 (Lab Number:10K1327-MS1, Batch: 10K1327)											
QC Source Sample: RTK0820-03											
Iodomethane	ND		1.0	0.30	ug/L	ND		52-151			
Isobutanol	ND		40	20	ug/L	ND		60-140			
Isopropyl alcohol	ND		20	18	ug/L	ND					
Isopropyl ether	ND		1.0	0.59	ug/L	ND		75-125			
Isopropylbenzene	ND		1.0	0.79	ug/L	ND		77-122			
Methacrylonitrile	ND		5.0	0.69	ug/L	ND		60-140			
Methyl Acetate	ND		1.0	0.50	ug/L	ND		60-140			
Methyl Methacrylate	ND		1.0	0.61	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)	ND	25.0	1.0	0.16	ug/L	23.1	92	64-127			
Methylcyclohexane	ND		1.0	0.16	ug/L	ND		60-140			
Methylene Chloride	ND		1.0	0.44	ug/L	ND		57-132			
m-Monochlorobenzotrifluoride	ND		1.0	0.49	ug/L	ND					
m-Xylene & p-Xylene	ND	50.0	2.0	0.66	ug/L	58.0	116	76-122			
n-Butanol	ND		40	8.8	ug/L	ND					
n-Butylbenzene	ND		1.0	0.64	ug/L	ND		71-128			
n-Propylbenzene	ND		1.0	0.69	ug/L	ND		77-120			
o-Monochlorobenzotrifluoride	ND		1.0	0.50	ug/L	ND					
o-Xylene	ND	25.0	1.0	0.76	ug/L	30.3	121	76-122			
Pentachloroethane	ND		1.0	0.34	ug/L	ND					
p-Monochlorobenzotrifluoride	ND		1.0	0.21	ug/L	ND					
Propionitrile	ND		10	5.8	ug/L	ND		60-140			
Propylene Oxide	ND		5.0	2.5	ug/L	ND					
sec-Butylbenzene	ND		1.0	0.75	ug/L	ND		74-127			
Styrene	ND		1.0	0.73	ug/L	ND		70-130			
t-Amyl alcohol	ND		1.0	1.0	ug/L	ND		75-125			
t-Butanol	ND		20	14	ug/L	ND		75-125			
Tert-Amyl Methyl Ether	ND		1.0	0.27	ug/L	ND		75-125			
tert-Butylbenzene	ND		1.0	0.81	ug/L	ND		75-123			
Tetrachloroethene	ND	25.0	1.0	0.36	ug/L	30.8	123	74-122			
Tetrahydrofuran	ND		5.0	1.3	ug/L	ND		44.9-144			
Toluene	ND	25.0	1.0	0.51	ug/L	28.2	113	70-122			
trans-1,2-Dichloroethene	ND	25.0	1.0	0.90	ug/L	31.0	124	73-127			
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	ND		72-123			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
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Volatile Organic Compounds by EPA 8260B

Matrix Spike Analyzed: 11/13/10 (Lab Number:10K1327-MS1, Batch: 10K1327)

QC Source Sample: RTK0820-03

trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L	ND		38-155			
Trichloroethene	ND	25.0	1.0	0.46	ug/L	29.1	116	74-123			
Trichlorofluoromethane	ND		1.0	0.88	ug/L	ND		62-152			
Vinyl acetate	ND		5.0	0.85	ug/L	ND		50-144			
Vinyl chloride	ND		1.0	0.90	ug/L	ND		65-133			
Xylenes, total	ND	75.0	2.0	0.66	ug/L	88.4	118	76-122			
2-Nitropropane	ND		5.0	2.2	ug/L	ND					

Surrogate:					ug/L		102	66-137			
1,2-Dichloroethane-d4					ug/L		107	73-120			
Surrogate:					ug/L		107	73-120			
4-Bromofluorobenzene					ug/L		107	71-126			
Surrogate: Toluene-d8					ug/L		107	71-126			

Matrix Spike Dup Analyzed: 11/13/10 (Lab Number:10K1327-MSD1, Batch: 10K1327)

QC Source Sample: RTK0820-03

1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L	ND		76-122		20	
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	ND		73-126		15	
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	ND		70-126		15	
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	ND		76-122		15	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	ND		60-140		20	
1,1-Dichloroethane	ND	25.0	1.0	0.38	ug/L	25.8	103	71-129	11	20	
1,1-Dichloroethene	ND	25.0	1.0	0.29	ug/L	23.8	95	65-138	13	16	
1,1-Dichloropropene	ND		1.0	0.72	ug/L	ND		72-122		20	
1,1-Dimethoxyethane	ND		5.0	1.6	ug/L	ND					
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L	ND		64-121		20	
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L	ND		68-131		14	
1,2,3-Trimethylbenzene	ND		1.0	0.26	ug/L	ND					
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	ND		70-122		20	
1,2,4-Trimethylbenzene	ND	25.0	1.0	0.75	ug/L	28.3	113	76-121	4	20	
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	ND		56-134		15	
1,2-Dibromoethane	ND		1.0	0.73	ug/L	ND		77-120		15	
1,2-Dichlorobenzene	ND	25.0	1.0	0.79	ug/L	27.3	109	77-120	5	20	
1,2-Dichloroethane	ND	25.0	1.0	0.21	ug/L	24.1	96	75-127	16	20	
1,2-Dichloroethane, Total	ND		2.0	0.70	ug/L	54.6		72-124	5	20	
1,2-Dichloropropane	ND		1.0	0.72	ug/L	ND		76-120		20	
1,3,5-Trichlorobenzene	ND		1.0	0.23	ug/L	ND					
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	ND		77-121		20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 11/13/10 (Lab Number:10K1327-MSD1, Batch: 10K1327)											
QC Source Sample: RTK0820-03											
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L	ND		77-120		20	
1,3-Dichloropropane	ND		1.0	0.75	ug/L	ND		75-120		20	
1,3-Dichloropropene, Total	ND		2.0	0.72	ug/L	ND		72-124		15	
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	ND		75-120		20	
1,4-Dioxane	ND		40	9.3	ug/L	ND		49-146		30	
2,2-Dichloropropane	ND		1.0	0.40	ug/L	ND		63-136		20	
2-Butanone	ND		10	1.3	ug/L	ND		57-140		20	
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L	ND		60-140		20	
2-Chlorotoluene	ND		1.0	0.86	ug/L	ND		76-121		20	
2-Hexanone	ND		5.0	1.2	ug/L	ND		65-127		15	
2-Methylthiophene	ND		1.0	0.44	ug/L	ND					
3-Chlorotoluene	ND		1.0	0.45	ug/L	ND					
3-Methylthiophene	ND		1.0	0.53	ug/L	ND					
4-Chlorotoluene	ND		1.0	0.84	ug/L	ND		77-121		15	
p-Cymene	ND		1.0	0.31	ug/L	ND		73-120		20	
4-Methyl-2-pentanone	ND		5.0	2.1	ug/L	ND		71-125		35	
Acetone	ND		10	3.0	ug/L	ND		56-142		15	
Acetonitrile	ND		40	26	ug/L	ND		60-140		20	
Acrolein	ND		20	18	ug/L	ND		60-140		20	
Acrylonitrile	ND		5.0	0.83	ug/L	ND		63-138		20	
Allyl chloride	ND		1.0	0.44	ug/L	ND		60-140		20	
Benzene	ND	25.0	1.0	0.41	ug/L	27.6	110	71-124	2	13	
Bromobenzene	ND		1.0	0.80	ug/L	ND		78-120		15	
Bromochloromethane	ND		1.0	0.87	ug/L	ND		72-130		15	
Bromodichloromethane	ND		1.0	0.39	ug/L	ND		80-122		15	
Bromoform	ND		1.0	0.26	ug/L	ND		66-128		15	
Bromomethane	ND		1.0	0.69	ug/L	ND		36-150		15	
Carbon disulfide	ND		1.0	0.19	ug/L	ND		59-134		15	
Carbon Tetrachloride	ND		1.0	0.27	ug/L	ND		72-134		15	
Chlorobenzene	ND	25.0	1.0	0.75	ug/L	29.9	120	72-120	1	25	
Dibromochloromethane	ND		1.0	0.32	ug/L	ND		75-125		15	
Chlorodifluoromethane	ND		1.0	0.26	ug/L	ND					
Chloroethane	ND		1.0	0.32	ug/L	ND		69-136		15	
Chloroform	ND		1.0	0.34	ug/L	ND		73-127		20	
Chloromethane	ND		1.0	0.35	ug/L	ND		49-142		15	
Chloroprene	ND		1.0	0.49	ug/L	ND		60-140		20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 11/13/10 (Lab Number:10K1327-MSD1, Batch: 10K1327)											
QC Source Sample: RTK0820-03											
cis-1,2-Dichloroethene	ND	25.0	1.0	0.81	ug/L	27.0	108	74-124	2	15	
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	ND		74-124		15	
Cyclohexane	ND		1.0	0.18	ug/L	ND		70-130		20	
Cyclohexanone	ND		10	5.2	ug/L	ND					
Dibromomethane	ND		1.0	0.41	ug/L	ND		76-127		15	
Dichlorodifluoromethane	ND		1.0	0.68	ug/L	ND		33-157		20	
Dichlorofluoromethane	ND		1.0	0.34	ug/L	ND					
Dicyclopentadiene	ND		1.0	0.22	ug/L	ND					
Diethyl ether	ND		5.0	0.72	ug/L	ND		70-129		30	
Epichlorohydrin	ND		20	8.4	ug/L	ND					
Ethyl Acetate	ND		1.0	0.66	ug/L	ND					
Ethyl Methacrylate	ND		1.0	0.59	ug/L	ND		60-140		20	
Ethyl tert-Butyl Ether	ND		1.0	0.29	ug/L	ND		75-125		15	
Ethylbenzene	ND	25.0	1.0	0.74	ug/L	29.2	117	77-123	3	15	
Heptane	ND		20	0.42	ug/L	ND					
Hexachlorobutadiene	ND		1.0	0.28	ug/L	ND		62-124		20	
Hexane	ND		10	0.40	ug/L	ND					
Iodomethane	ND		1.0	0.30	ug/L	ND		52-151		20	
Isobutanol	ND		40	20	ug/L	ND		60-140		20	
Isopropyl alcohol	ND		20	18	ug/L	ND					
Isopropyl ether	ND		1.0	0.59	ug/L	ND		75-125		15	
Isopropylbenzene	ND		1.0	0.79	ug/L	ND		77-122		20	
Methacrylonitrile	ND		5.0	0.69	ug/L	ND		60-140		20	
Methyl Acetate	ND		1.0	0.50	ug/L	ND		60-140		20	
Methyl Methacrylate	ND		1.0	0.61	ug/L	ND		60-140		20	
Methyl-t-Butyl Ether (MTBE)	ND	25.0	1.0	0.16	ug/L	20.4	82	64-127	12	37	
Methylcyclohexane	ND		1.0	0.16	ug/L	ND		60-140		20	
Methylene Chloride	ND		1.0	0.44	ug/L	ND		57-132		15	
m-Monochlorobenzotrifluoride	ND		1.0	0.49	ug/L	ND					
m-Xylene & p-Xylene	ND	50.0	2.0	0.66	ug/L	58.6	117	76-122	1	16	
n-Butanol	ND		40	8.8	ug/L	ND					
n-Butylbenzene	ND		1.0	0.64	ug/L	ND		71-128		15	
n-Propylbenzene	ND		1.0	0.69	ug/L	ND		77-120		15	
o-Monochlorobenzotrifluoride	ND		1.0	0.50	ug/L	ND					
o-Xylene	ND	25.0	1.0	0.76	ug/L	28.6	115	76-122	6	16	

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 11/13/10 (Lab Number:10K1327-MSD1, Batch: 10K1327)											
QC Source Sample: RTK0820-03											
Pentachloroethane	ND		1.0	0.34	ug/L	ND					
p-Monochlorobenzotrifluoride	ND		1.0	0.21	ug/L	ND					
Propionitrile	ND		10	5.8	ug/L	ND		60-140		20	
Propylene Oxide	ND		5.0	2.5	ug/L	ND					
sec-Butylbenzene	ND		1.0	0.75	ug/L	ND		74-127		15	
Styrene	ND		1.0	0.73	ug/L	ND		70-130		20	
t-Amyl alcohol	ND		1.0	1.0	ug/L	ND		75-125		15	
t-Butanol	ND		20	14	ug/L	ND		75-125		15	
Tert-Amyl Methyl Ether	ND		1.0	0.27	ug/L	ND		75-125		15	
tert-Butylbenzene	ND		1.0	0.81	ug/L	ND		75-123		15	
Tetrachloroethene	ND	25.0	1.0	0.36	ug/L	31.9	128	74-122	3	20	
Tetrahydrofuran	ND		5.0	1.3	ug/L	ND		44.9-144		25	
Toluene	ND	25.0	1.0	0.51	ug/L	28.2	113	70-122	0.3	15	
trans-1,2-Dichloroethene	ND	25.0	1.0	0.90	ug/L	27.6	110	73-127	12	20	
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	ND		72-123		15	
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L	ND		38-155		20	
Trichloroethene	ND	25.0	1.0	0.46	ug/L	28.7	115	74-123	1	16	
Trichlorofluoromethane	ND		1.0	0.88	ug/L	ND		62-152		20	
Vinyl acetate	ND		5.0	0.85	ug/L	ND		50-144		23	
Vinyl chloride	ND		1.0	0.90	ug/L	ND		65-133		15	
Xylenes, total	ND	75.0	2.0	0.66	ug/L	87.2	116	76-122	1	16	
2-Nitropropane	ND		5.0	2.2	ug/L	ND					

<i>Surrogate:</i>					ug/L		89	66-137			
<i>1,2-Dichloroethane-d4</i>					ug/L		107	73-120			
<i>Surrogate:</i>					ug/L						
<i>4-Bromofluorobenzene</i>					ug/L		105	71-126			
<i>Surrogate: Toluene-d8</i>					ug/L						

Volatile Organic Compounds by EPA 8260B

Blank Analyzed: 11/15/10 (Lab Number:10K1430-BLK1, Batch: 10K1430)

1,2,4-Trimethylbenzene			1.0	0.75	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND					
p-Cymene			1.0	0.31	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 11/15/10 (Lab Number:10K1430-BLK1, Batch: 10K1430)											
Methyl-t-Butyl Ether (MTBE)			1.0	0.16	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.66	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND					
n-Propylbenzene			1.0	0.69	ug/L	ND					
o-Xylene			1.0	0.76	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND					
tert-Butylbenzene			1.0	0.81	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
<i>Surrogate:</i>					<i>ug/L</i>		<i>96</i>	<i>66-137</i>			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>					<i>ug/L</i>		<i>105</i>	<i>73-120</i>			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>					<i>ug/L</i>		<i>107</i>	<i>71-126</i>			
LCS Analyzed: 11/15/10 (Lab Number:10K1430-BS1, Batch: 10K1430)											
1,1,1,2-Tetrachloroethane			1.0	0.35	ug/L	ND		76-122			
1,1,1-Trichloroethane			1.0	0.82	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND		70-126			
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND		60-140			
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	26.1	104	71-129			
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	23.4	94	65-138			
1,1-Dichloropropene			1.0	0.72	ug/L	ND		72-122			
1,1-Dimethoxyethane			5.0	1.6	ug/L	ND					
1,2,3-Trichlorobenzene			1.0	0.41	ug/L	ND		64-121			
1,2,3-Trichloropropane			1.0	0.89	ug/L	ND		68-131			
1,2,3-Trimethylbenzene			1.0	0.26	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND		70-122			
1,2,4-Trimethylbenzene		25.0	1.0	0.75	ug/L	26.2	105	76-121			
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND		56-134			
1,2-Dibromoethane			1.0	0.73	ug/L	ND		77-120			
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	26.1	104	77-120			
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	26.3	105	75-127			
1,2-Dichloroethene, Total			2.0	0.70	ug/L	51.9		72-124			
1,2-Dichloropropane			1.0	0.72	ug/L	ND		76-120			
1,3,5-Trichlorobenzene			1.0	0.23	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 11/15/10 (Lab Number:10K1430-BS1, Batch: 10K1430)											
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND		77-121			
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND		77-120			
1,3-Dichloropropane			1.0	0.75	ug/L	ND		75-120			
1,3-Dichloropropene, Total			2.0	0.72	ug/L	ND		72-124			
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND		75-120			
1,4-Dioxane			40	9.3	ug/L	ND		49-146			
2,2-Dichloropropane			1.0	0.40	ug/L	ND		63-136			
2-Butanone			10	1.3	ug/L	ND		57-140			
2-Chloroethyl vinyl ether			5.0	0.96	ug/L	ND		60-140			
2-Chlorotoluene			1.0	0.86	ug/L	ND		76-121			
2-Hexanone			5.0	1.2	ug/L	ND		65-127			
2-Methylthiophene			1.0	0.44	ug/L	ND					
3-Chlorotoluene			1.0	0.45	ug/L	ND					
3-Methylthiophene			1.0	0.53	ug/L	ND					
4-Chlorotoluene			1.0	0.84	ug/L	ND		77-121			
p-Cymene			1.0	0.31	ug/L	ND		73-120			
4-Methyl-2-pentanone			5.0	2.1	ug/L	ND		71-125			
Acetone			10	3.0	ug/L	ND		56-142			
Acetonitrile			40	26	ug/L	ND		60-140			
Acrolein			20	18	ug/L	ND		60-140			
Acrylonitrile			5.0	0.83	ug/L	ND		63-138			
Allyl chloride			1.0	0.44	ug/L	ND		60-140			
Benzene		25.0	1.0	0.41	ug/L	25.4	102	71-124			
Bromobenzene			1.0	0.80	ug/L	ND		78-120			
Bromochloromethane			1.0	0.87	ug/L	ND		72-130			
Bromodichloromethane			1.0	0.39	ug/L	ND		80-122			
Bromoform			1.0	0.26	ug/L	ND		66-128			
Bromomethane			1.0	0.69	ug/L	ND		36-150			
Carbon disulfide			1.0	0.19	ug/L	ND		59-134			
Carbon Tetrachloride			1.0	0.27	ug/L	ND		72-134			
Chlorobenzene		25.0	1.0	0.75	ug/L	27.2	109	72-120			
Dibromochloromethane			1.0	0.32	ug/L	ND		75-125			
Chlorodifluoromethane			1.0	0.26	ug/L	ND					
Chloroethane			1.0	0.32	ug/L	ND		69-136			
Chloroform			1.0	0.34	ug/L	ND		73-127			
Chloromethane			1.0	0.35	ug/L	ND		49-142			
Chloroprene			1.0	0.49	ug/L	ND		60-140			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 11/15/10 (Lab Number:10K1430-BS1, Batch: 10K1430)											
cis-1,2-Dichloroethene		25.0	1.0	0.81	ug/L	24.4	98	74-124			
cis-1,3-Dichloropropene			1.0	0.36	ug/L	ND		74-124			
Cyclohexane			1.0	0.18	ug/L	ND		70-130			
Cyclohexanone			10	5.2	ug/L	ND					
Dibromomethane			1.0	0.41	ug/L	ND		76-127			
Dichlorodifluoromethane			1.0	0.68	ug/L	ND		33-157			
Dichlorofluoromethane			1.0	0.34	ug/L	ND					
Dicyclopentadiene			1.0	0.22	ug/L	ND					
Diethyl ether			5.0	0.72	ug/L	ND		70-129			
Epichlorohydrin			20	8.4	ug/L	ND					
Ethyl Acetate			1.0	0.66	ug/L	ND					
Ethyl Methacrylate			1.0	0.59	ug/L	ND		60-140			
Ethyl tert-Butyl Ether			1.0	0.29	ug/L	ND		75-125			
Ethylbenzene		25.0	1.0	0.74	ug/L	26.6	107	77-123			
Heptane			20	0.42	ug/L	ND					
Hexachlorobutadiene			1.0	0.28	ug/L	ND		62-124			
Hexane			10	0.40	ug/L	ND					
Iodomethane			1.0	0.30	ug/L	ND		52-151			
Isobutanol			40	20	ug/L	ND		60-140			
Isopropyl alcohol			20	18	ug/L	ND					
Isopropyl ether			1.0	0.59	ug/L	ND		75-125			
Isopropylbenzene			1.0	0.79	ug/L	ND		77-122			
Methacrylonitrile			5.0	0.69	ug/L	ND		60-140			
Methyl Acetate			1.0	0.50	ug/L	ND		60-140			
Methyl Methacrylate			1.0	0.61	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	1.0	0.16	ug/L	22.0	88	64-127			
Methylcyclohexane			1.0	0.16	ug/L	ND		60-140			
Methylene Chloride			1.0	0.44	ug/L	0.800		57-132			J
m-Monochlorobenzotrifluoride			1.0	0.49	ug/L	ND					
m-Xylene & p-Xylene		50.0	2.0	0.66	ug/L	52.1	104	76-122			
n-Butanol			40	8.8	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND		71-128			
n-Propylbenzene			1.0	0.69	ug/L	ND		77-120			
o-Monochlorobenzotrifluoride			1.0	0.50	ug/L	ND					
o-Xylene		25.0	1.0	0.76	ug/L	24.9	99	76-122			
Pentachloroethane			1.0	0.34	ug/L	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 11/15/10 (Lab Number:10K1430-BS1, Batch: 10K1430)											
p-Monochlorobenzotrifluoride			1.0	0.21	ug/L	ND					
Propionitrile			10	5.8	ug/L	ND		60-140			
Propylene Oxide			5.0	2.5	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND		74-127			
Styrene			1.0	0.73	ug/L	ND		70-130			
t-Amyl alcohol			1.0	1.0	ug/L	ND		75-125			
t-Butanol			20	14	ug/L	ND		75-125			
Tert-Amyl Methyl Ether			1.0	0.27	ug/L	ND		75-125			
tert-Butylbenzene			1.0	0.81	ug/L	ND		75-123			
Tetrachloroethene		25.0	1.0	0.36	ug/L	25.9	104	74-122			
Tetrahydrofuran			5.0	1.3	ug/L	ND		59.4-127			
Toluene		25.0	1.0	0.51	ug/L	24.2	97	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.90	ug/L	27.5	110	73-127			
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND		72-123			
trans-1,4-Dichloro-2-butene			5.0	2.1	ug/L	ND		38-155			
Trichloroethene		25.0	1.0	0.46	ug/L	26.5	106	74-123			
Trichlorofluoromethane			1.0	0.88	ug/L	ND		62-152			
Vinyl acetate			5.0	0.85	ug/L	ND		50-144			
Vinyl chloride			1.0	0.90	ug/L	ND		65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	76.9	103	76-122			
2-Nitropropane			5.0	2.2	ug/L	ND					

<i>Surrogate:</i>					ug/L		105	66-137			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>					ug/L		98	73-120			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>					ug/L		99	71-126			

Matrix Spike Analyzed: 11/15/10 (Lab Number:10K1430-MS1, Batch: 10K1430)

QC Source Sample: RTK0820-01RE1

1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L	ND		76-122			D08
1,1,1-Trichloroethane	ND		20	16	ug/L	ND		73-126			D08
1,1,2,2-Tetrachloroethane	ND		20	4.3	ug/L	ND		70-126			D08
1,1,2-Trichloroethane	ND		20	4.6	ug/L	ND		76-122			D08
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L	ND		60-140			D08
1,1-Dichloroethane	ND	500	20	7.7	ug/L	495	99	71-129			D08
1,1-Dichloroethene	ND	500	20	5.9	ug/L	456	91	65-138			D08
1,1-Dichloropropene	ND		20	14	ug/L	ND		72-122			D08

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 11/15/10 (Lab Number:10K1430-MS1, Batch: 10K1430)											
QC Source Sample: RTK0820-01RE1											
1,1-Dimethoxyethane	ND		100	32	ug/L	ND					D08
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L	ND		64-121			D08
1,2,3-Trichloropropane	ND		20	18	ug/L	ND		68-131			D08
1,2,3-Trimethylbenzene	ND		20	5.2	ug/L	ND					D08
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L	ND		70-122			D08
1,2,4-Trimethylbenzene	1040	500	20	15	ug/L	1440	80	76-121			D08
1,2-Dibromo-3-chloroprop ane	ND		20	7.9	ug/L	ND		56-134			D08
1,2-Dibromoethane	ND		20	15	ug/L	ND		77-120			D08
1,2-Dichlorobenzene	ND	500	20	16	ug/L	548	110	77-120			D08
1,2-Dichloroethane	ND	500	20	4.3	ug/L	528	106	75-127			D08
1,2-Dichloroethene, Total	ND		40	14	ug/L	957		72-124			D08
1,2-Dichloropropane	ND		20	14	ug/L	ND		76-120			D08
1,3,5-Trichlorobenzene	ND		20	4.6	ug/L	ND					D08
1,3,5-Trimethylbenzene	1.24		20	15	ug/L	24.6		77-121			D08
1,3-Dichlorobenzene	ND		20	16	ug/L	ND		77-120			D08
1,3-Dichloropropane	ND		20	15	ug/L	ND		75-120			D08
1,3-Dichloropropene, Total	ND		40	14	ug/L	ND		72-124			D08
1,4-Dichlorobenzene	ND		20	17	ug/L	ND		75-120			D08
1,4-Dioxane	ND		800	190	ug/L	ND		49-146			D08
2,2-Dichloropropane	ND		20	8.0	ug/L	ND		63-136			D08
2-Butanone	ND		200	26	ug/L	ND		57-140			D08
2-Chloroethyl vinyl ether	ND		100	19	ug/L	ND		60-140			D08
2-Chlorotoluene	ND		20	17	ug/L	ND		76-121			D08
2-Hexanone	ND		100	25	ug/L	ND		65-127			D08
2-Methylthiophene	ND		20	8.9	ug/L	ND					D08
3-Chlorotoluene	ND		20	8.9	ug/L	ND					D08
3-Methylthiophene	ND		20	11	ug/L	ND					D08
4-Chlorotoluene	ND		20	17	ug/L	ND		77-121			D08
p-Cymene	0.710		20	6.2	ug/L	12.2		73-120			D08,J
4-Methyl-2-pentanone	ND		100	42	ug/L	ND		71-125			D08
Acetone	ND		200	60	ug/L	ND		56-142			D08
Acetonitrile	234		800	520	ug/L	ND		60-140			D08
Acrolein	ND		400	360	ug/L	ND		60-140			D08
Acrylonitrile	ND		100	17	ug/L	ND		63-138			D08
Allyl chloride	ND		20	8.8	ug/L	ND		60-140			D08
Benzene	820	500	20	8.2	ug/L	1160	67	71-124			D08,M8

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 11/15/10 (Lab Number:10K1430-MS1, Batch: 10K1430)											
QC Source Sample: RTK0820-01RE1											
Bromobenzene	ND		20	16	ug/L	ND		78-120			D08
Bromochloromethane	ND		20	17	ug/L	ND		72-130			D08
Bromodichloromethane	ND		20	7.7	ug/L	ND		80-122			D08
Bromoform	ND		20	5.1	ug/L	ND		66-128			D08
Bromomethane	ND		20	14	ug/L	ND		36-150			D08
Carbon disulfide	ND		20	3.9	ug/L	ND		59-134			D08
Carbon Tetrachloride	ND		20	5.3	ug/L	ND		72-134			D08
Chlorobenzene	ND	500	20	15	ug/L	532	106	72-120			D08
Dibromochloromethane	ND		20	6.4	ug/L	ND		75-125			D08
Chlorodifluoromethane	ND		20	5.1	ug/L	ND					D08
Chloroethane	ND		20	6.5	ug/L	ND		69-136			D08
Chloroform	0.830		20	6.7	ug/L	ND		73-127			D08
Chloromethane	ND		20	6.9	ug/L	ND		49-142			D08
Chloroprene	ND		20	9.8	ug/L	ND		60-140			D08
cis-1,2-Dichloroethene	ND	500	20	16	ug/L	488	98	74-124			D08
cis-1,3-Dichloropropene	ND		20	7.1	ug/L	ND		74-124			D08
Cyclohexane	29.3		20	3.6	ug/L	439		70-130			D08
Cyclohexanone	ND		200	100	ug/L	ND					D08
Dibromomethane	ND		20	8.1	ug/L	ND		76-127			D08
Dichlorodifluoromethane	ND		20	14	ug/L	ND		33-157			D08
Dichlorofluoromethane	ND		20	6.7	ug/L	ND					D08
Dicyclopentadiene	ND		20	4.4	ug/L	ND					D08
Diethyl ether	ND		100	14	ug/L	ND		70-129			D08
Epichlorohydrin	ND		400	170	ug/L	ND					D08
Ethyl Acetate	ND		20	13	ug/L	ND					D08
Ethyl Methacrylate	ND		20	12	ug/L	ND		60-140			D08
Ethyl tert-Butyl Ether	ND		20	5.9	ug/L	ND		75-125			D08
Ethylbenzene	1510	500	20	15	ug/L	1730	45	77-123			D08,M8
Heptane	ND		400	8.4	ug/L	ND					D08
Hexachlorobutadiene	ND		20	5.6	ug/L	ND		62-124			D08
Hexane	ND		200	8.0	ug/L	ND					D08
Iodomethane	ND		20	6.0	ug/L	ND		52-151			D08
Isobutanol	ND		800	400	ug/L	ND		60-140			D08
Isopropyl alcohol	ND		400	360	ug/L	ND					D08
Isopropyl ether	ND		20	12	ug/L	ND		75-125			D08
Isopropylbenzene	4.11		20	16	ug/L	68.4		77-122			D08
Methacrylonitrile	ND		100	14	ug/L	ND		60-140			D08

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 11/15/10 (Lab Number:10K1430-MS1, Batch: 10K1430)											
QC Source Sample: RTK0820-01RE1											
Methyl Acetate	60.9		20	10	ug/L	ND		60-140			D08
Methyl Methacrylate	ND		20	12	ug/L	ND		60-140			D08
Methyl-t-Butyl Ether (MTBE)	3.16	500	20	3.2	ug/L	456	91	64-127			D08
Methylcyclohexane	17.3		20	3.2	ug/L	262		60-140			D08
Methylene Chloride	0.920		20	8.8	ug/L	15.4		57-132			D08,J
m-Monochlorobenzotrifluoride	ND		20	9.7	ug/L	ND					D08
m-Xylene & p-Xylene	734	1000	40	13	ug/L	1680	95	76-122			D08
n-Butanol	ND		800	180	ug/L	ND					D08
n-Butylbenzene	1.76		20	13	ug/L	26.8		71-128			D08
n-Propylbenzene	186		20	14	ug/L	151		77-120			D08
o-Monochlorobenzotrifluoride	ND		20	10	ug/L	ND					D08
o-Xylene	1.31	500	20	15	ug/L	553	110	76-122			D08
Pentachloroethane	ND		20	6.9	ug/L	ND					D08
p-Monochlorobenzotrifluoride	ND		20	4.3	ug/L	ND					D08
Propionitrile	ND		200	120	ug/L	ND		60-140			D08
Propylene Oxide	ND		100	50	ug/L	ND					D08
sec-Butylbenzene	ND		20	15	ug/L	ND		74-127			D08
Styrene	ND		20	15	ug/L	ND		70-130			D08
t-Amyl alcohol	ND		20	20	ug/L	ND		75-125			D08
t-Butanol	ND		400	280	ug/L	ND		75-125			D08
Tert-Amyl Methyl Ether	ND		20	5.5	ug/L	ND		75-125			D08
tert-Butylbenzene	ND		20	16	ug/L	ND		75-123			D08
Tetrachloroethene	ND	500	20	7.3	ug/L	523	105	74-122			D08
Tetrahydrofuran	ND		100	25	ug/L	ND		44.9-144			D08
Toluene	1.23	500	20	10	ug/L	532	106	70-122			D08
trans-1,2-Dichloroethene	ND	500	20	18	ug/L	469	94	73-127			D08
trans-1,3-Dichloropropene	ND		20	7.4	ug/L	ND		72-123			D08
trans-1,4-Dichloro-2-butene	ND		100	42	ug/L	ND		38-155			D08
Trichloroethene	ND	500	20	9.2	ug/L	518	104	74-123			D08
Trichlorofluoromethane	ND		20	18	ug/L	ND		62-152			D08
Vinyl acetate	ND		100	17	ug/L	ND		50-144			D08
Vinyl chloride	ND		20	18	ug/L	ND		65-133			D08
Xylenes, total	760	1500	40	13	ug/L	2240	98	76-122			D08

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

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Project Number: TURN

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Reported: 11/18/10 09:18

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
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Volatile Organic Compounds by EPA 8260B

Matrix Spike Analyzed: 11/15/10 (Lab Number:10K1430-MS1, Batch: 10K1430)

QC Source Sample: RTK0820-01RE1

2-Nitropropane	ND		100	44	ug/L	ND					D08
----------------	----	--	-----	----	------	----	--	--	--	--	-----

<i>Surrogate:</i>					ug/L		105	66-137			D08
1,2-Dichloroethane-d4					ug/L		104	73-120			D08
<i>Surrogate:</i>					ug/L		108	71-126			D08
4-Bromofluorobenzene					ug/L						
<i>Surrogate: Toluene-d8</i>					ug/L						D08

Matrix Spike Dup Analyzed: 11/15/10 (Lab Number:10K1430-MSD1, Batch: 10K1430)

QC Source Sample: RTK0820-01RE1

1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L	ND		76-122		20	D08
1,1,1-Trichloroethane	ND		20	16	ug/L	ND		73-126		15	D08
1,1,2,2-Tetrachloroethane	ND		20	4.3	ug/L	ND		70-126		15	D08
1,1,2-Trichloroethane	ND		20	4.6	ug/L	ND		76-122		15	D08
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L	ND		60-140		20	D08
1,1-Dichloroethane	ND	500	20	7.7	ug/L	491	98	71-129	0.7	20	D08
1,1-Dichloroethene	ND	500	20	5.9	ug/L	457	91	65-138	0.1	16	D08
1,1-Dichloropropene	ND		20	14	ug/L	ND		72-122		20	D08
1,1-Dimethoxyethane	ND		100	32	ug/L	ND					D08
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L	ND		64-121		20	D08
1,2,3-Trichloropropane	ND		20	18	ug/L	ND		68-131		14	D08
1,2,3-Trimethylbenzene	ND		20	5.2	ug/L	ND					D08
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L	ND		70-122		20	D08
1,2,4-Trimethylbenzene	1040	500	20	15	ug/L	1470	86	76-121	2	20	D08
1,2-Dibromo-3-chloropropane	ND		20	7.9	ug/L	ND		56-134		15	D08
1,2-Dibromoethane	ND		20	15	ug/L	ND		77-120		15	D08
1,2-Dichlorobenzene	ND	500	20	16	ug/L	575	115	77-120	5	20	D08
1,2-Dichloroethane	ND	500	20	4.3	ug/L	505	101	75-127	4	20	D08
1,2-Dichloroethene, Total	ND		40	14	ug/L	974		72-124	2	20	D08
1,2-Dichloropropane	ND		20	14	ug/L	ND		76-120		20	D08
1,3,5-Trichlorobenzene	ND		20	4.6	ug/L	ND					D08
1,3,5-Trimethylbenzene	1.24		20	15	ug/L	23.0		77-121	7	20	D08
1,3-Dichlorobenzene	ND		20	16	ug/L	ND		77-120		20	D08
1,3-Dichloropropane	ND		20	15	ug/L	ND		75-120		20	D08
1,3-Dichloropropene, Total	ND		40	14	ug/L	ND		72-124		15	D08
1,4-Dichlorobenzene	ND		20	17	ug/L	ND		75-120		20	D08
1,4-Dioxane	ND		800	190	ug/L	ND		49-146		30	D08
2,2-Dichloropropane	ND		20	8.0	ug/L	ND		63-136		20	D08

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 11/15/10 (Lab Number:10K1430-MSD1, Batch: 10K1430)											
QC Source Sample: RTK0820-01RE1											
2-Butanone	ND		200	26	ug/L	ND		57-140		20	D08
2-Chloroethyl vinyl ether	ND		100	19	ug/L	ND		60-140		20	D08
2-Chlorotoluene	ND		20	17	ug/L	ND		76-121		20	D08
2-Hexanone	ND		100	25	ug/L	ND		65-127		15	D08
2-Methylthiophene	ND		20	8.9	ug/L	ND					D08
3-Chlorotoluene	ND		20	8.9	ug/L	ND					D08
3-Methylthiophene	ND		20	11	ug/L	ND					D08
4-Chlorotoluene	ND		20	17	ug/L	ND		77-121		15	D08
p-Cymene	0.710		20	6.2	ug/L	11.2		73-120	9	20	D08,J
4-Methyl-2-pentanone	ND		100	42	ug/L	ND		71-125		35	D08
Acetone	ND		200	60	ug/L	ND		56-142		15	D08
Acetonitrile	234		800	520	ug/L	ND		60-140		20	D08
Acrolein	ND		400	360	ug/L	ND		60-140		20	D08
Acrylonitrile	ND		100	17	ug/L	ND		63-138		20	D08
Allyl chloride	ND		20	8.8	ug/L	ND		60-140		20	D08
Benzene	820	500	20	8.2	ug/L	1190	73	71-124	3	13	D08
Bromobenzene	ND		20	16	ug/L	ND		78-120		15	D08
Bromochloromethane	ND		20	17	ug/L	ND		72-130		15	D08
Bromodichloromethane	ND		20	7.7	ug/L	ND		80-122		15	D08
Bromoform	ND		20	5.1	ug/L	ND		66-128		15	D08
Bromomethane	ND		20	14	ug/L	ND		36-150		15	D08
Carbon disulfide	ND		20	3.9	ug/L	ND		59-134		15	D08
Carbon Tetrachloride	ND		20	5.3	ug/L	ND		72-134		15	D08
Chlorobenzene	ND	500	20	15	ug/L	545	109	72-120	2	25	D08
Dibromochloromethane	ND		20	6.4	ug/L	ND		75-125		15	D08
Chlorodifluoromethane	ND		20	5.1	ug/L	ND					D08
Chloroethane	ND		20	6.5	ug/L	ND		69-136		15	D08
Chloroform	0.830		20	6.7	ug/L	ND		73-127		20	D08
Chloromethane	ND		20	6.9	ug/L	ND		49-142		15	D08
Chloroprene	ND		20	9.8	ug/L	ND		60-140		20	D08
cis-1,2-Dichloroethene	ND	500	20	16	ug/L	481	96	74-124	1	15	D08
cis-1,3-Dichloropropene	ND		20	7.1	ug/L	ND		74-124		15	D08
Cyclohexane	29.3		20	3.6	ug/L	454		70-130	3	20	D08
Cyclohexanone	ND		200	100	ug/L	ND					D08
Dibromomethane	ND		20	8.1	ug/L	ND		76-127		15	D08
Dichlorodifluoromethane	ND		20	14	ug/L	ND		33-157		20	D08
Dichlorofluoromethane	ND		20	6.7	ug/L	ND					D08

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 11/15/10 (Lab Number:10K1430-MSD1, Batch: 10K1430)											
QC Source Sample: RTK0820-01RE1											
Dicyclopentadiene	ND		20	4.4	ug/L	ND					D08
Diethyl ether	ND		100	14	ug/L	ND		70-129		30	D08
Epichlorohydrin	ND		400	170	ug/L	ND					D08
Ethyl Acetate	ND		20	13	ug/L	ND					D08
Ethyl Methacrylate	ND		20	12	ug/L	ND		60-140		20	D08
Ethyl tert-Butyl Ether	ND		20	5.9	ug/L	ND		75-125		15	D08
Ethylbenzene	1510	500	20	15	ug/L	1780	54	77-123	3	15	D08,M8
Heptane	ND		400	8.4	ug/L	ND					D08
Hexachlorobutadiene	ND		20	5.6	ug/L	ND		62-124		20	D08
Hexane	ND		200	8.0	ug/L	ND					D08
Iodomethane	ND		20	6.0	ug/L	ND		52-151		20	D08
Isobutanol	ND		800	400	ug/L	ND		60-140		20	D08
Isopropyl alcohol	ND		400	360	ug/L	ND					D08
Isopropyl ether	ND		20	12	ug/L	ND		75-125		15	D08
Isopropylbenzene	4.11		20	16	ug/L	71.2		77-122	4	20	D08
Methacrylonitrile	ND		100	14	ug/L	ND		60-140		20	D08
Methyl Acetate	60.9		20	10	ug/L	ND		60-140		20	D08
Methyl Methacrylate	ND		20	12	ug/L	ND		60-140		20	D08
Methyl-t-Butyl Ether (MTBE)	3.16	500	20	3.2	ug/L	458	91	64-127	0.5	37	D08
Methylcyclohexane	17.3		20	3.2	ug/L	264		60-140	0.8	20	D08
Methylene Chloride	0.920		20	8.8	ug/L	14.0		57-132	10	15	D08,J
m-Monochlorobenzotrifluoride	ND		20	9.7	ug/L	ND					D08
m-Xylene & p-Xylene	734	1000	40	13	ug/L	1720	99	76-122	3	16	D08
n-Butanol	ND		800	180	ug/L	ND					D08
n-Butylbenzene	1.76		20	13	ug/L	26.6		71-128	0.7	15	D08
n-Propylbenzene	186		20	14	ug/L	156		77-120	3	15	D08
o-Monochlorobenzotrifluoride	ND		20	10	ug/L	ND					D08
o-Xylene	1.31	500	20	15	ug/L	565	113	76-122	2	16	D08
Pentachloroethane	ND		20	6.9	ug/L	ND					D08
p-Monochlorobenzotrifluoride	ND		20	4.3	ug/L	ND					D08
Propionitrile	ND		200	120	ug/L	ND		60-140		20	D08
Propylene Oxide	ND		100	50	ug/L	ND					D08
sec-Butylbenzene	ND		20	15	ug/L	ND		74-127		15	D08
Styrene	ND		20	15	ug/L	ND		70-130		20	D08
t-Amyl alcohol	ND		20	20	ug/L	ND		75-125		15	D08

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 11/15/10 (Lab Number:10K1430-MSD1, Batch: 10K1430)											
QC Source Sample: RTK0820-01RE1											
t-Butanol	ND		400	280	ug/L	ND		75-125		15	D08
Tert-Amyl Methyl Ether	ND		20	5.5	ug/L	ND		75-125		15	D08
tert-Butylbenzene	ND		20	16	ug/L	ND		75-123		15	D08
Tetrachloroethene	ND	500	20	7.3	ug/L	550	110	74-122	5	20	D08
Tetrahydrofuran	ND		100	25	ug/L	ND		44.9-144		25	D08
Toluene	1.23	500	20	10	ug/L	542	108	70-122	2	15	D08
trans-1,2-Dichloroethene	ND	500	20	18	ug/L	493	99	73-127	5	20	D08
trans-1,3-Dichloropropene	ND		20	7.4	ug/L	ND		72-123		15	D08
trans-1,4-Dichloro-2-butene	ND		100	42	ug/L	ND		38-155		20	D08
Trichloroethene	ND	500	20	9.2	ug/L	520	104	74-123	0.3	16	D08
Trichlorofluoromethane	ND		20	18	ug/L	ND		62-152		20	D08
Vinyl acetate	ND		100	17	ug/L	ND		50-144		23	D08
Vinyl chloride	ND		20	18	ug/L	ND		65-133		15	D08
Xylenes, total	760	1500	40	13	ug/L	2290	102	76-122	2	16	D08
2-Nitropropane	ND		100	44	ug/L	ND					D08
<i>Surrogate:</i>					<i>ug/L</i>		<i>102</i>	<i>66-137</i>			<i>D08</i>
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>					<i>ug/L</i>		<i>105</i>	<i>73-120</i>			<i>D08</i>
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>					<i>ug/L</i>		<i>108</i>	<i>71-126</i>			<i>D08</i>

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt Yes No

Drinking Water? Yes No

Chain of Custody Record

TAL-4124 (1/07)

Client: Turkey Date: 11-8-10 Chain of Custody Number: 178943

Address: 2558 Hamburg Turnpike Suite 300 Telephone Number (Area Code) / Fax Number: (716) 856-0583

City: Buffalo State: NY Zip Code: 14218 Site Contact: Paul Werthman Lab Contact: B Fischer

Project Name and Location (State): 517 Niagara St Carrier/Vehicle Number: _____

Contract/Purchase Order/Quote No: 0136-002-600

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix		Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			1	2	URONS	MSD	NOX	IC	HOX			HOX	
MW-1	11-8-10	12:10	X					3					
MW-2		12:30	X					3					
MW-5 (MS/MSD)		11:02	X					9					
MW-6		10:40	X					3					
Blind Dup		8:00	X					3					
Trip Blank		8:00	X					3					
Eg Blank		8:00	X					3					

Possible Hazard Identification: 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. Requisitioned By: Paul Werthman Date: 11-8-10 Time: 13:00

2. Requisitioned By: [Signature] Date: 11-09-10 Time: 14:20

3. Requisitioned By: [Signature] Date: 11-09-10 Time: 14:25

OC Requirements (Specify): _____

1. Received By: [Signature] Date: 11-09-10 Time: 13:00

2. Received By: [Signature] Date: 11-9-10 Time: 14:25

3. Received By: [Signature] Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Returned to Client with Report; YELLOW - Steps with the Samples; PINK - Field Copy



August 5, 2010

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

Re: Semi-annual Groundwater Monitoring Event
BCP Site No. C915223
1093 Group, LLC
Buffalo, New York

Dear Mr. Murray:

On behalf of our client, 1093 Group, LLC, TurnKey Environmental Restoration, LLC (TurnKey) is herein transmitting the results from the initial semi-annual ground water monitoring event performed for the Niagara Street and Pennsylvania Avenue Site, located at 517 Niagara Street, Buffalo, New York (see Figure 1).

This groundwater monitoring event was performed on May 25th, 2010 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 STARS list volatile organic compounds (VOCs). Field parameters including pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), temperature, turbidity, and specific conductance were also measured in each of the sampled monitoring wells. Table 1 summarizes the analytical results from the May 2010 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). Field data sheets are presented in Attachment 1. The laboratory analytical package is included in Attachment 2.

As shown on Table 1, no VOCs were detected above the laboratory reporting limits, and were reported as non-detect (ND) for MW-5 and MW-6. It is noteworthy that benzene concentrations have decreased to non-detectable levels from concentrations formerly exceeding GWQS identified during the Remedial Investigation (RI) in MW-5 and MW-6. No VOCs were detected above GWQS in MW-2 with the minor exception of slightly elevated benzene (1.1 ug/L vs. 1.0 ug/L GWQS, respectively). Elevated petroleum-related

VOCs exceeding GWQS were detected in MW-1. MW-1 is located in the western portion of the site, adjacent to the corner of Niagara Street and Pennsylvania Avenue.

TurnKey recommends continued monitoring in accordance with the approved Site Management Plan. The second semi-annual sampling event is tentatively scheduled to be completed in September/October 2010.

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
May 25, 2010

1093 GROUP, LLC
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
<i>Volatile Organic Compounds (VOCs) - ug/L</i>					
Benzene	1	560 D	1.1	ND	ND
Ethylbenzene	5	1700 D	1.1	ND	ND
Isopropylbenzene (Cumene)	5	95	ND	ND	ND
Methyl tert butyl ether (MTBE)	10	ND	5.1	ND	ND
Toluene	5	29	ND	ND	ND
Total Xylene	5	1233 D	ND	ND	ND
n-Butylbenzene	5	12	ND	ND	ND
n-Propylbenzene	5	290 D	ND	ND	ND
p-Cymene (p-isopropyltoluene)	5	9.8	ND	ND	ND
1,2,4-Trimethylbenzene	5	780 D	ND	ND	ND
1,3,5-Trimethylbenzene	5	83	ND	ND	ND
sec-Butylbenzene	5	12	ND	ND	ND
tert-Butylbenzene	5	0.96 J	ND	ND	ND

Notes:

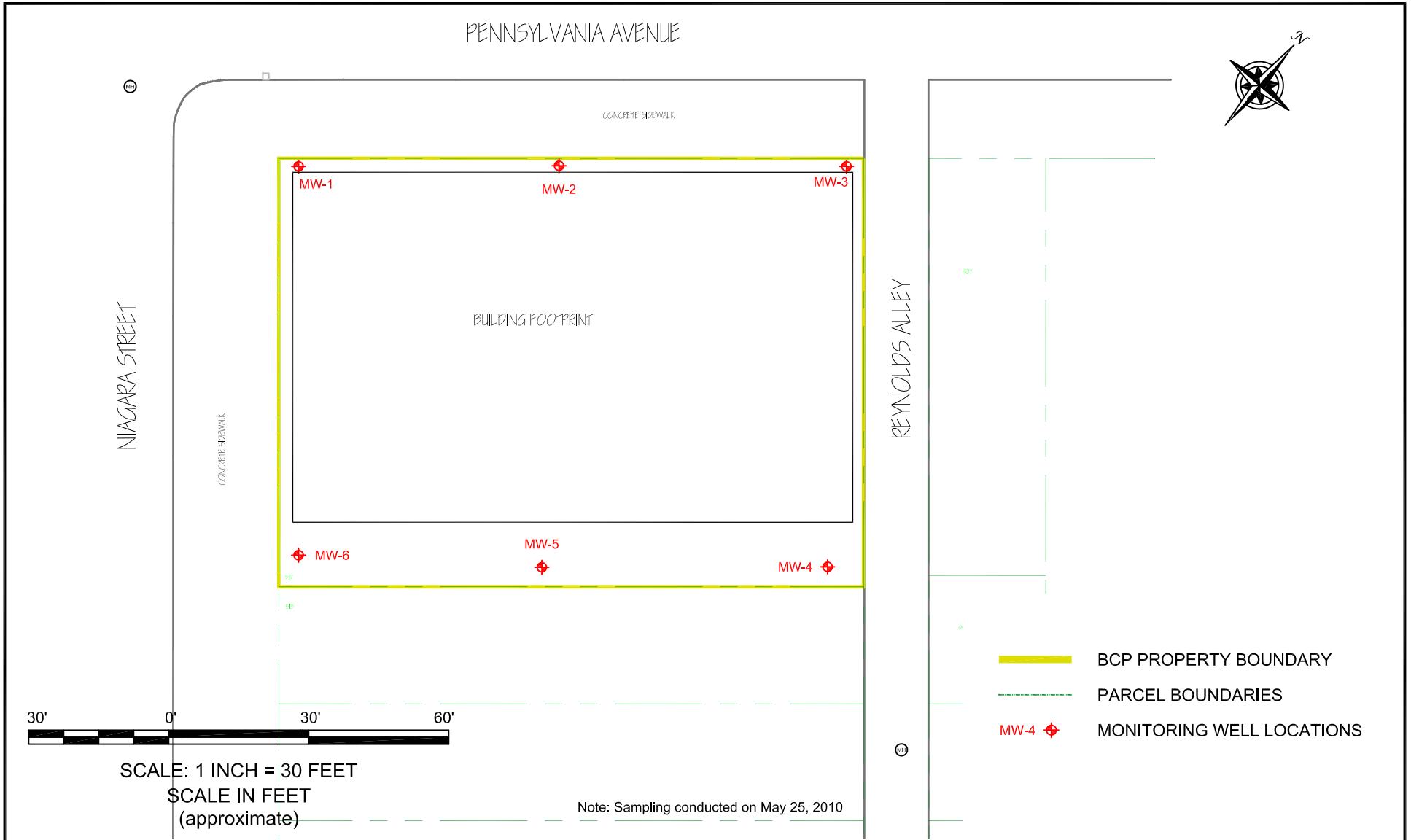

1. Only those parameters detected at a minimum of one sample location are presented in table; all other compounds reported as non-detect.
2. Regulatory limits are NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as published in NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998).

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

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 858-0635

PROJECT NO.: 0136-002-600

DATE: MAY 2010

DRAFTED BY: NTM

SAMPLE LOCATIONS

SEMI-ANNUAL GROUNDWATER MONITORING
NIAGARA STREET AND PENNSYLVANIA AVENUE SITE
BCP SITE No. C915223
BUFFALO, NEW YORK
PREPARED FOR
1093 GROUP, LLC

FIGURE 1

ATTACHMENT 1

FIELD DATA SHEETS

PROJECT INFORMATION:

Project Name: 517 Niagara St.
 Project No.: 7136-002-600
 Client: Ellieott Development

Date: 5/25/14
 Instrument Source: BM Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
<input checked="" type="checkbox"/> pH meter	units	0.1 ⁰⁰	Myron L Company Ultra Meter 6P	606987 <input type="checkbox"/>	TAB	4.00	3.98	4.0
				6212375 <input checked="" type="checkbox"/>		7.00	6.58	2.0
						10.01	10.03	10.0
<input checked="" type="checkbox"/> Turbidity meter	NTU	0.1 ⁰⁰	Hach 2100P Turbidimeter	06120C020523 <input type="checkbox"/>	TAB	< 0.4		
				07110C026405 <input checked="" type="checkbox"/>		20	23.5	
						100	100	
				800		761		
<input checked="" type="checkbox"/> Sp. Cond. meter	uS mS	25 ⁰⁰	Myron L Company Ultra Meter 6P	606987 <input type="checkbox"/>	TAB	1413 mS @ 25 °C	1413	1413
				6212375 <input checked="" type="checkbox"/>				
<input type="checkbox"/> PID	ppm		MinRAE 2000			open air zero		MIBK response factor = 1.0
						___ ppm Iso. Gas		
<input checked="" type="checkbox"/> Dissolved Oxygen	ppm	0.6 ⁰⁰	HACH Model HQ30d			100% Satuartion		
<input type="checkbox"/> Particulate meter	mg/m ³					zero air		
<input type="checkbox"/> Oxygen	%					open air		
<input type="checkbox"/> Hydrogen sulfide	ppm					open air		
<input type="checkbox"/> Carbon monoxide	ppm					open air		
<input type="checkbox"/> LEL	%					open air		
<input type="checkbox"/> Radiation Meter	uR/H					background area		
<input type="checkbox"/>								

ADDITIONAL REMARKS:

PREPARED BY: TAB

DATE: 5/25/14



GROUNDWATER FIELD FORM

Project Name: Elliott Development
 Location: 517 Minger St

Date: 5/25/10
 Field Team: SAB

Project No.:

Well No. <u>MW-5</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>5/25/10</u>				
Product Depth (fbTOR): <u>-</u>			Water Column (ft): <u>12.0</u>			DTW when sampled:				
DTW (static) (fbTOR): <u>4.63</u>			One Well Volume (gal): <u>1.95</u>			Purpose: <input type="checkbox"/> Development <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Purge & Sample				
Total Depth (fbTOR): <u>16.63</u>			Total Volume Purged (gal):			Purge Method: <u>3cuberside pump</u>				
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor	
927	0 Initial	7.25	6.80	15.1	2917	69.2	2.56	-29	2 Turbid	
129	1 4.89	.25	7.04	16.6	2407	90.7	2.09	-68	"	
	2 5.04	7.5	7.17	16.7	2788	63.1	2.79	-85	"	
937	3 5.21	.5	7.17	16.4	2960	46.1	2.55	-84	"	
946	4 5.31	7.75	7.21	17.0	2912	70.8	2.89	-80	"	
	5		7.21							
	6									
	7									
	8									
	9									
	10									
Sample Information:										
946	S1	5.39	.75	7.21	17.0	2875	23.6	2.96	-71	"
956	S2	5.89	1.25	7.17	17.2	2662	14.7	2.87	-60	"

Well No. <u>MW-6</u>			Diameter (inches): <u>2"</u>			Sample Date / Time:				
Product Depth (fbTOR):			Water Column (ft): <u>10.04</u>			DTW when sampled:				
DTW (static) (fbTOR): <u>7.03</u>			One Well Volume (gal): <u>1.63</u>			Purpose: <input type="checkbox"/> Development <input type="checkbox"/> Sample <input type="checkbox"/> Purge & Sample				
Total Depth (fbTOR): <u>17.07</u>			Total Volume Purged (gal):			Purge Method:				
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor	
1020	0 Initial	7.25	7.22	15.4	1397	>1000	1.86	-57	Turbid	
1022	1 7.41	.25	7.23	16.6	1363	>1000	2.07	-40	"	
1025	2 7.59	2.50	7.28	16.9	6581	>1000	2.45	-30	"	
1028	3 7.79	2.50	7.17	16.3	1548	>1000	2.15	-3	"	
1031	4 8.06	4.0	7.22	15.9	1475	262	2.37	29	"	
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1034	S1	5.32	1.25	7.23	16.2	1453	12.4	2.55	43	"
1042	S2	5.51	6.50	7.23	17.5	1453	72.6	2.84	32	"

REMARKS: MW-5 MS/MSD TAKEN
MW-6 BO TAKEN

Volume Calculation		Stabilization Criteria	
Diam.	Vol. (g/ft)	Parameter	Criteria
1"	0.041	pH	± 0.1 unit
2"	0.163	SC	± 3%
4"	0.653	Turbidity	± 10%
6"	1.469	DO	± 0.3 mg/L
		ORP	± 10 mV

Note: All measurements are in feet, distance from top of riser.

PREPARED BY: TATB



GROUNDWATER FIELD FORM

Project Name: 517 Niagara St

Date: 5/25/10

Location: 517 Niagara St

Project No.:

Field Team: TAB

Well No. <u>MW-1</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>5/25/10 1115</u>			
Product Depth (fbTOR):			Water Column (ft): <u>10.34</u>			DTW when sampled:			
DTW (static) (fbTOR): <u>2.65</u>			One Well Volume (gal): <u>1.68</u>			Purpose: <input type="checkbox"/> Development <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Purge & Sample			
Total Depth (fbTOR): <u>17.99</u>			Total Volume Purged (gal):			Purge Method: <u>Submersible pump</u>			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1105	0 Initial	2.25	7.73	19.8	1524	266	3.0	-93	Reddish brown
1108	1 8.41	.25	7.50	17.6	1616	442	2.74	-103	"
1111	2 8.39	.5	7.47	16.2	1621	67.0	2.33	-109	sl turb
1114	3 8.34	.75	7.47	15.8	1621	73.2	2.38	-110	"
4									
5									
6									
7									
8									
9									
10									
Sample Information:									
1115	S1 8.46	1.0	7.46	15.6	1619	21.9	2.18	-112	"
	S2								

Well No. <u>MW-2</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>5/25/10</u>			
Product Depth (fbTOR): <u>-</u>			Water Column (ft): <u>3.22</u>			DTW when sampled:			
DTW (static) (fbTOR): <u>15.50</u>			One Well Volume (gal): <u>0.52</u>			Purpose: <input type="checkbox"/> Development <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Purge & Sample			
Total Depth (fbTOR): <u>18.72</u>			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1138	0 Initial	2.25	7.71	20.4	15.1	7100	2.49	-2	Brown and turb
1141	1 65.89	.25	7.59	17.6	15.3	7100	2.81	14	"
1144	2 16.03	.50	7.60	19.2	1570	282	2.97	15	"
1148	3 16.21	.50	7.44	17.6	1628	96.0	3.05	19	"
1150	4 16.31	.75	7.42	17.0	1662	51.2	3.17	22	"
1153	5 16.66	.75	7.44	16.9	1677	30.2	3.11	25	"
6									
7									
8									
9									
10									
Sample Information:									
1155	S1 16.85	>1.0	7.51	16.6	1663	10.5	2.87	27	"
	S2								

REMARKS:

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

Note: All measurements are in feet, distance from top of riser.

PREPARED BY: TAB

ATTACHMENT 2

LABORATORY ANALYTICAL DATA
MAY 2010 SAMPLING EVENT

Analytical Report

Work Order: RTE1305

Project Description

Benchmark - Niagara St. site

For:

Mike Lesakowski

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Friday, June 4, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTE1305

Project: Benchmark - Niagara St. site
Project Number: TURN

Received: 05/26/10
Reported: 06/04/10 10:39

CASE NARRATIVE

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

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTE1305

Project: Benchmark - Niagara St. site
Project Number: TURN

Received: 05/26/10
Reported: 06/04/10 10:39

DATA QUALIFIERS AND DEFINITIONS

- D08** Dilution required due to high concentration of target analyte(s)
- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- NR** Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

Benchmark Environmental & Engineering Science
 2558 Hamburg Turnpike, Suite 300
 Lackawanna, NY 14218

Work Order: RTE1305
 Project: Benchmark - Niagara St. site
 Project Number: TURN

Received: 05/26/10
 Reported: 06/04/10 10:39

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RTE1305-01 (MW-1 - Water)

Sampled: 05/25/10 11:15

Recvd: 05/26/10 13:00

Volatile Organic Compounds by EPA 8260B

1,3,5-Trimethylbenzene	83		1.0	0.77	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
p-Cymene	9.8		1.0	0.31	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
Isopropylbenzene	95		1.0	0.79	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
n-Butylbenzene	12		1.0	0.64	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
o-Xylene	33		1.0	0.76	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
sec-Butylbenzene	12		1.0	0.75	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
tert-Butylbenzene	0.96	J	1.0	0.81	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
Toluene	29		1.0	0.51	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B

Sample ID: RTE1305-01RE1 (MW-1 - Water)

Sampled: 05/25/10 11:15

Recvd: 05/26/10 13:00

Volatile Organic Compounds by EPA 8260B

1,2,4-Trimethylbenzene	780	D08	20	15	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
Benzene	560	D08	20	8.2	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
Ethylbenzene	1700	D08	20	15	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
m-Xylene & p-Xylene	1200	D08	40	13	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
n-Propylbenzene	290	D08	20	14	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
Xylenes, total	1200	D08	40	13	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B

Sample ID: RTE1305-02 (MW-2 - Water)

Sampled: 05/25/10 11:55

Recvd: 05/26/10 13:00

Volatile Organic Compounds by EPA 8260B

Benzene	1.1		1.0	0.41	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
Ethylbenzene	1.1		1.0	0.74	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
Methyl-t-Butyl Ether (MTBE)	5.1		1.0	0.16	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B

Benchmark Environmental & Engineering Science
 2558 Hamburg Turnpike, Suite 300
 Lackawanna, NY 14218

Work Order: RTE1305
 Project: Benchmark - Niagara St. site
 Project Number: TURN

Received: 05/26/10
 Reported: 06/04/10 10:39

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-1	RTE1305-01	Water	05/25/10 11:15	05/26/10 13:00	
MW-2	RTE1305-02	Water	05/25/10 11:55	05/26/10 13:00	
MW-5	RTE1305-03	Water	05/25/10 09:46	05/26/10 13:00	
MW-6	RTE1305-06	Water	05/25/10 10:34	05/26/10 13:00	
BLIND DUP	RTE1305-07	Water	05/25/10 12:00	05/26/10 13:00	
EQUIPMENT BLANK	RTE1305-08	Water	05/25/10 08:00	05/26/10 13:00	
TRIP BLANK	RTE1305-09	Water	05/25/10	05/26/10 13:00	

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTE1305
Project: Benchmark - Niagara St. site
Project Number: TURN

Received: 05/26/10
Reported: 06/04/10 10:39

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1305-01 (MW-1 - Water)					Sampled: 05/25/10 11:15			Recvd: 05/26/10 13:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,3,5-Trimethylbenzene	83		1.0	0.77	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
p-Cymene	9.8		1.0	0.31	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
Isopropylbenzene	95		1.0	0.79	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
n-Butylbenzene	12		1.0	0.64	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
o-Xylene	33		1.0	0.76	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
sec-Butylbenzene	12		1.0	0.75	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
tert-Butylbenzene	0.96	J	1.0	0.81	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
Toluene	29		1.0	0.51	ug/L	1.00	06/02/10 15:37	LH	10F0122	8260B
1,2-Dichloroethane-d4	102 %		Surr Limits: (66-137%)				06/02/10 15:37	LH	10F0122	8260B
4-Bromofluorobenzene	94 %		Surr Limits: (73-120%)				06/02/10 15:37	LH	10F0122	8260B
Toluene-d8	96 %		Surr Limits: (71-126%)				06/02/10 15:37	LH	10F0122	8260B

Benchmark Environmental & Engineering Science
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Work Order: RTE1305
Project: Benchmark - Niagara St. site
Project Number: TURN

Received: 05/26/10
Reported: 06/04/10 10:39

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1305-01RE1 (MW-1 - Water)						Sampled: 05/25/10 11:15		Recvd: 05/26/10 13:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	780	D08	20	15	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
Benzene	560	D08	20	8.2	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
Ethylbenzene	1700	D08	20	15	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
m-Xylene & p-Xylene	1200	D08	40	13	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
n-Propylbenzene	290	D08	20	14	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
Xylenes, total	1200	D08	40	13	ug/L	20.0	06/03/10 12:34	LH	10F0230	8260B
1,2-Dichloroethane-d4	90 %	D08	Surr Limits: (66-137%)				06/03/10 12:34	LH	10F0230	8260B
4-Bromofluorobenzene	95 %	D08	Surr Limits: (73-120%)				06/03/10 12:34	LH	10F0230	8260B
Toluene-d8	96 %	D08	Surr Limits: (71-126%)				06/03/10 12:34	LH	10F0230	8260B

Benchmark Environmental & Engineering Science
 2558 Hamburg Turnpike, Suite 300
 Lackawanna, NY 14218

Work Order: RTE1305
 Project: Benchmark - Niagara St. site
 Project Number: TURN

Received: 05/26/10
 Reported: 06/04/10 10:39

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1305-02 (MW-2 - Water)						Sampled: 05/25/10 11:55		Recvd: 05/26/10 13:00		
Volatile Organic Compounds by EPA 8260B										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
Benzene	1.1		1.0	0.41	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
Ethylbenzene	1.1		1.0	0.74	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
Methyl-t-Butyl Ether (MTBE)	5.1		1.0	0.16	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	06/03/10 13:00	LH	10F0230	8260B
1,2-Dichloroethane-d4	90 %		Surr Limits: (66-137%)				06/03/10 13:00	LH	10F0230	8260B
4-Bromofluorobenzene	93 %		Surr Limits: (73-120%)				06/03/10 13:00	LH	10F0230	8260B
Toluene-d8	97 %		Surr Limits: (71-126%)				06/03/10 13:00	LH	10F0230	8260B

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2558 Hamburg Turnpike, Suite 300
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Work Order: RTE1305
Project: Benchmark - Niagara St. site
Project Number: TURN

Received: 05/26/10
Reported: 06/04/10 10:39

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1305-03 (MW-5 - Water)					Sampled: 05/25/10 09:46			Recvd: 05/26/10 13:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	06/02/10 16:28	LH	10F0122	8260B
1,2-Dichloroethane-d4	91 %		<i>Surr Limits: (66-137%)</i>				06/02/10 16:28	LH	10F0122	8260B
4-Bromofluorobenzene	93 %		<i>Surr Limits: (73-120%)</i>				06/02/10 16:28	LH	10F0122	8260B
Toluene-d8	96 %		<i>Surr Limits: (71-126%)</i>				06/02/10 16:28	LH	10F0122	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1305-06 (MW-6 - Water)						Sampled: 05/25/10 10:34		Recvd: 05/26/10 13:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	06/02/10 17:45	LH	10F0122	8260B
1,2-Dichloroethane-d4	94 %		<i>Surr Limits: (66-137%)</i>				06/02/10 17:45	LH	10F0122	8260B
4-Bromofluorobenzene	95 %		<i>Surr Limits: (73-120%)</i>				06/02/10 17:45	LH	10F0122	8260B
Toluene-d8	99 %		<i>Surr Limits: (71-126%)</i>				06/02/10 17:45	LH	10F0122	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1305-07 (BLIND DUP - Water)						Sampled: 05/25/10 12:00		Recvd: 05/26/10 13:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	06/02/10 18:11	LH	10F0122	8260B
1,2-Dichloroethane-d4	87 %		<i>Surr Limits: (66-137%)</i>				06/02/10 18:11	LH	10F0122	8260B
4-Bromofluorobenzene	92 %		<i>Surr Limits: (73-120%)</i>				06/02/10 18:11	LH	10F0122	8260B
Toluene-d8	95 %		<i>Surr Limits: (71-126%)</i>				06/02/10 18:11	LH	10F0122	8260B

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1305-08 (EQUIPMENT BLANK - Water)					Sampled: 05/25/10 08:00			Recvd: 05/26/10 13:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	06/02/10 18:36	LH	10F0122	8260B
1,2-Dichloroethane-d4	89 %		<i>Surr Limits: (66-137%)</i>				06/02/10 18:36	LH	10F0122	8260B
4-Bromofluorobenzene	94 %		<i>Surr Limits: (73-120%)</i>				06/02/10 18:36	LH	10F0122	8260B
Toluene-d8	96 %		<i>Surr Limits: (71-126%)</i>				06/02/10 18:36	LH	10F0122	8260B

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Work Order: RTE1305
Project: Benchmark - Niagara St. site
Project Number: TURN

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Reported: 06/04/10 10:39

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTE1305-09 (TRIP BLANK - Water)					Sampled: 05/25/10			Recvd: 05/26/10 13:00		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
p-Cymene	ND		1.0	0.31	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
Isopropylbenzene	ND		1.0	0.79	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
n-Butylbenzene	ND		1.0	0.64	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
n-Propylbenzene	ND		1.0	0.69	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
o-Xylene	ND		1.0	0.76	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
sec-Butylbenzene	ND		1.0	0.75	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
tert-Butylbenzene	ND		1.0	0.81	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	06/02/10 19:02	LH	10F0122	8260B
1,2-Dichloroethane-d4	90 %		Surr Limits: (66-137%)				06/02/10 19:02	LH	10F0122	8260B
4-Bromofluorobenzene	93 %		Surr Limits: (73-120%)				06/02/10 19:02	LH	10F0122	8260B
Toluene-d8	97 %		Surr Limits: (71-126%)				06/02/10 19:02	LH	10F0122	8260B

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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Volatile Organic Compounds by EPA 8260B									
8260B	10F0230	RTE1305-01RE1	5.00	mL	5.00	mL	06/03/10 10:59	LCH	5030B MS
8260B	10F0230	RTE1305-02	5.00	mL	5.00	mL	06/03/10 10:59	LCH	5030B MS
8260B	10F0122	RTE1305-01	5.00	mL	5.00	mL	06/02/10 10:19	TRB	5030B MS
8260B	10F0122	RTE1305-03	5.00	mL	5.00	mL	06/02/10 10:19	TRB	5030B MS
8260B	10F0122	RTE1305-06	5.00	mL	5.00	mL	06/02/10 10:19	TRB	5030B MS
8260B	10F0122	RTE1305-07	5.00	mL	5.00	mL	06/02/10 10:19	TRB	5030B MS
8260B	10F0122	RTE1305-08	5.00	mL	5.00	mL	06/02/10 10:19	TRB	5030B MS
8260B	10F0122	RTE1305-09	5.00	mL	5.00	mL	06/02/10 10:19	TRB	5030B MS

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 06/02/10 (Lab Number:10F0122-BLK1, Batch: 10F0122)											
1,2,4-Trimethylbenzene			1.0	0.75	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND					
p-Cymene			1.0	0.31	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Isopropylbenzene			1.0	0.79	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)			1.0	0.16	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.66	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND					
n-Propylbenzene			1.0	0.69	ug/L	ND					
o-Xylene			1.0	0.76	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND					
tert-Butylbenzene			1.0	0.81	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					

<i>Surrogate:</i>					ug/L		88	66-137			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>					ug/L		91	73-120			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>					ug/L		95	71-126			

LCS Analyzed: 06/02/10 (Lab Number:10F0122-BS1, Batch: 10F0122)

1,1,1,2-Tetrachloroethane			5.0	0.35	ug/L	ND		76-122			
1,1,1-Trichloroethane			5.0	0.82	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane			5.0	0.21	ug/L	ND		70-126			
1,1,2-Trichloroethane			5.0	0.23	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	0.31	ug/L	ND		60-140			
1,1-Dichloroethane		25.0	5.0	0.38	ug/L	24.0	96	71-129			
1,1-Dichloroethene		25.0	5.0	0.29	ug/L	24.8	99	65-138			
1,1-Dichloropropene			5.0	0.72	ug/L	ND		72-122			
1,1-Dimethoxyethane			5.0	1.6	ug/L	ND					
1,2,3-Trichlorobenzene			5.0	0.41	ug/L	ND		64-121			
1,2,3-Trichloropropane			5.0	0.89	ug/L	ND		68-131			
1,2,3-Trimethylbenzene			5.0	0.26	ug/L	ND					
1,2,4-Trichlorobenzene			5.0	0.41	ug/L	ND		70-122			
1,2,4-Trimethylbenzene		25.0	5.0	0.75	ug/L	23.6	95	76-121			
1,2-Dibromo-3-chloropropane			5.0	0.39	ug/L	ND		56-134			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 06/02/10 (Lab Number:10F0122-BS1, Batch: 10F0122)											
1,2-Dibromoethane			1.0	0.73	ug/L	ND		77-120			
1,2-Dichlorobenzene		25.0	5.0	0.79	ug/L	24.4	98	77-120			
1,2-Dichloroethane		25.0	5.0	0.21	ug/L	25.2	101	75-127			
1,2-Dichloroethene, Total			5.0	0.70	ug/L	47.8		72-124			
1,2-Dichloropropane			5.0	0.72	ug/L	ND		76-120			
1,3,5-Trichlorobenzene			5.0	0.23	ug/L	ND					
1,3,5-Trimethylbenzene			5.0	0.77	ug/L	ND		77-121			
1,3-Dichlorobenzene			5.0	0.78	ug/L	ND		77-120			
1,3-Dichloropropane			5.0	0.75	ug/L	ND		75-120			
1,3-Dichloropropene, Total			5.0	0.72	ug/L	ND		72-124			
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND		75-120			
1,4-Dioxane			40	9.3	ug/L	ND					
2,2-Dichloropropane			5.0	0.40	ug/L	ND		63-136			
2-Butanone			10	1.3	ug/L	ND		57-140			
2-Chloroethyl vinyl ether			10	0.96	ug/L	ND		60-140			
2-Chlorotoluene			5.0	0.86	ug/L	ND		76-121			
2-Hexanone			10	1.2	ug/L	ND		65-127			
2-Methylthiophene			5.0	0.44	ug/L	ND					
3-Chlorotoluene			5.0	0.45	ug/L	ND					
3-Methylthiophene			5.0	0.53	ug/L	ND					
4-Chlorotoluene			5.0	0.84	ug/L	ND		77-121			
p-Cymene			1.0	0.31	ug/L	ND		73-120			
4-Methyl-2-pentanone			10	2.1	ug/L	ND		71-125			
Acetone			34	3.0	ug/L	ND		56-142			
Acetonitrile			40	26	ug/L	ND		60-140			
Acrolein			20	18	ug/L	ND		60-140			
Acrylonitrile			5.0	0.83	ug/L	ND		63-138			
Allyl chloride			5.0	0.44	ug/L	ND		60-140			
Benzene		25.0	5.0	0.41	ug/L	24.3	97	71-124			
Bromobenzene			5.0	0.80	ug/L	ND		78-120			
Bromochloromethane			5.0	0.87	ug/L	ND		72-130			
Bromodichloromethane			5.0	0.39	ug/L	ND		80-122			
Bromoform			5.0	0.26	ug/L	ND		66-128			
Bromomethane			5.0	0.69	ug/L	ND		36-150			
Carbon disulfide			5.0	0.19	ug/L	ND		59-134			
Carbon Tetrachloride			5.0	0.27	ug/L	ND		72-134			
Chlorobenzene		25.0	5.0	0.75	ug/L	24.7	99	72-120			

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Work Order: RTE1305
Project: Benchmark - Niagara St. site
Project Number: TURN

Received: 05/26/10
Reported: 06/04/10 10:39

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 06/02/10 (Lab Number:10F0122-BS1, Batch: 10F0122)											
Dibromochloromethane			5.0	0.32	ug/L	ND		75-125			
Chlorodifluoromethane			5.0	0.26	ug/L	ND					
Chloroethane			5.0	0.32	ug/L	ND		69-136			
Chloroform			5.0	0.34	ug/L	ND		73-127			
Chloromethane			5.0	0.35	ug/L	ND		49-142			
Chloroprene			5.0	0.49	ug/L	ND		60-140			
cis-1,2-Dichloroethene		25.0	5.0	0.81	ug/L	24.0	96	74-124			
cis-1,3-Dichloropropene			5.0	0.36	ug/L	ND		74-124			
Cyclohexane			5.0	0.18	ug/L	ND		70-130			
Cyclohexanone			10	5.2	ug/L	ND					
Dibromomethane			5.0	0.41	ug/L	ND		76-127			
Dichlorodifluoromethane			5.0	0.68	ug/L	ND		33-157			
Dichlorofluoromethane			5.0	0.34	ug/L	ND					
Dicyclopentadiene			5.0	0.22	ug/L	ND					
Diethyl ether			5.0	0.72	ug/L	ND					
Epichlorohydrin			20	8.4	ug/L	ND					
Ethyl Acetate			10	0.66	ug/L	ND					
Ethyl Methacrylate			5.0	0.59	ug/L	ND		60-140			
Ethyl tert-Butyl Ether			5.0	0.29	ug/L	ND		75-125			
Ethylbenzene		25.0	5.0	0.74	ug/L	24.7	99	77-123			
Heptane			20	0.42	ug/L	ND					
Hexachlorobutadiene			5.0	0.28	ug/L	ND		62-124			
Hexane			10	0.40	ug/L	ND					
Iodomethane			10	0.30	ug/L	ND		52-151			
Isobutanol			40	20	ug/L	ND		60-140			
Isopropyl alcohol			20	18	ug/L	ND					
Isopropyl ether			5.0	0.59	ug/L	ND		75-125			
Isopropylbenzene			5.0	0.79	ug/L	ND		77-122			
Methacrylonitrile			5.0	0.69	ug/L	ND		60-140			
Methyl Acetate			5.0	0.50	ug/L	ND		60-140			
Methyl Methacrylate			5.0	0.61	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	5.0	0.16	ug/L	26.3	105	64-127			
Methylcyclohexane			5.0	0.16	ug/L	ND		60-140			
Methylene Chloride			5.0	0.44	ug/L	1.61		57-132			J
m-Monochlorobenzotrifluoride			5.0	0.49	ug/L	ND					
m-Xylene & p-Xylene		50.0	5.0	0.66	ug/L	49.4	99	76-122			
n-Butanol			40	8.8	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 06/02/10 (Lab Number:10F0122-BS1, Batch: 10F0122)											
n-Butylbenzene			5.0	0.64	ug/L	ND		71-128			
n-Propylbenzene			5.0	0.69	ug/L	ND		77-120			
o-Monochlorobenzotrifluoride			5.0	0.50	ug/L	ND					
o-Xylene		25.0	5.0	0.76	ug/L	24.1	96	76-122			
Pentachloroethane			5.0	0.34	ug/L	ND					
p-Monochlorobenzotrifluoride			5.0	0.21	ug/L	ND					
Propionitrile			10	5.8	ug/L	ND		60-140			
Propylene Oxide			5.0	2.5	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND		74-127			
Styrene			5.0	0.73	ug/L	ND		70-130			
t-Amyl alcohol			5.0	1.0	ug/L	ND		75-125			
t-Butanol			20	14	ug/L	ND		75-125			
Tert-Amyl Methyl Ether			5.0	0.27	ug/L	ND		75-125			
tert-Butylbenzene			5.0	0.81	ug/L	ND		75-123			
Tetrachloroethene		25.0	5.0	0.36	ug/L	23.3	93	74-122			
Tetrahydrofuran			10	1.3	ug/L	ND		59.4-127			
Toluene		25.0	5.0	0.51	ug/L	24.2	97	70-122			
trans-1,2-Dichloroethene		25.0	5.0	0.90	ug/L	23.8	95	73-127			
trans-1,3-Dichloropropene			5.0	0.37	ug/L	ND		72-123			
trans-1,4-Dichloro-2-butene			5.0	2.1	ug/L	ND		38-155			
Trichloroethene		25.0	5.0	0.46	ug/L	24.8	99	74-123			
Trichlorofluoromethane			5.0	0.88	ug/L	ND		62-152			
Vinyl acetate			10	0.85	ug/L	ND		50-144			
Vinyl chloride			2.0	0.90	ug/L	ND		65-133			
Xylenes, total		75.0	5.0	0.66	ug/L	73.4	98	76-122			
2-Nitropropane			5.0	2.2	ug/L	ND					

<i>Surrogate:</i>					ug/L		92	66-137			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>					ug/L		94	73-120			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>					ug/L		95	71-126			

Matrix Spike Analyzed: 06/02/10 (Lab Number:10F0122-MS1, Batch: 10F0122)

QC Source Sample: RTE1305-03

1,1,1,2-Tetrachloroethane	ND		5.0	0.35	ug/L	ND		76-122			
1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	ND		70-126			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 06/02/10 (Lab Number:10F0122-MS1, Batch: 10F0122)											
QC Source Sample: RTE1305-03											
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.31	ug/L	ND		60-140			
1,1-Dichloroethane	ND	25.0	5.0	0.38	ug/L	26.4	106	71-129			
1,1-Dichloroethene	ND	25.0	5.0	0.29	ug/L	28.2	113	65-138			
1,1-Dichloropropene	ND		5.0	0.72	ug/L	ND		72-122			
1,1-Dimethoxyethane	ND		5.0	1.6	ug/L	ND					
1,2,3-Trichlorobenzene	ND		5.0	0.41	ug/L	ND		64-121			
1,2,3-Trichloropropane	ND		5.0	0.89	ug/L	ND		68-131			
1,2,3-Trimethylbenzene	ND		5.0	0.26	ug/L	ND					
1,2,4-Trichlorobenzene	ND		5.0	0.41	ug/L	ND		70-122			
1,2,4-Trimethylbenzene	ND	25.0	5.0	0.75	ug/L	26.1	104	76-121			
1,2-Dibromo-3-chloropropane	ND		5.0	0.39	ug/L	ND		56-134			
1,2-Dibromoethane	ND		1.0	0.73	ug/L	ND		77-120			
1,2-Dichlorobenzene	ND	25.0	5.0	0.79	ug/L	26.6	106	77-120			
1,2-Dichloroethane	ND	25.0	5.0	0.21	ug/L	26.3	105	75-127			
1,2-Dichloroethene, Total	ND		5.0	0.70	ug/L	52.6		72-124			
1,2-Dichloropropane	ND		5.0	0.72	ug/L	ND		76-120			
1,3,5-Trichlorobenzene	ND		5.0	0.23	ug/L	ND					
1,3,5-Trimethylbenzene	ND		5.0	0.77	ug/L	ND		77-121			
1,3-Dichlorobenzene	ND		5.0	0.78	ug/L	ND		77-120			
1,3-Dichloropropane	ND		5.0	0.75	ug/L	ND		75-120			
1,3-Dichloropropene, Total	ND		5.0	0.72	ug/L	ND		72-124			
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	ND		75-120			
1,4-Dioxane	ND		40	9.3	ug/L	ND					
2,2-Dichloropropane	ND		5.0	0.40	ug/L	ND		63-136			
2-Butanone	ND		10	1.3	ug/L	ND		57-140			
2-Chloroethyl vinyl ether	ND		10	0.96	ug/L	ND		60-140			
2-Chlorotoluene	ND		5.0	0.86	ug/L	ND		76-121			
2-Hexanone	ND		10	1.2	ug/L	ND		65-127			
2-Methylthiophene	ND		5.0	0.44	ug/L	ND					
3-Chlorotoluene	ND		5.0	0.45	ug/L	ND					
3-Methylthiophene	ND		5.0	0.53	ug/L	ND					
4-Chlorotoluene	ND		5.0	0.84	ug/L	ND		77-121			
p-Cymene	ND		1.0	0.31	ug/L	ND		73-120			
4-Methyl-2-pentanone	ND		10	2.1	ug/L	ND		71-125			

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Reported: 06/04/10 10:39

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 06/02/10 (Lab Number:10F0122-MS1, Batch: 10F0122)											
QC Source Sample: RTE1305-03											
Acetone	ND		34	3.0	ug/L	ND		56-142			
Acetonitrile	ND		40	26	ug/L	ND		60-140			
Acrolein	ND		20	18	ug/L	ND		60-140			
Acrylonitrile	ND		5.0	0.83	ug/L	ND		63-138			
Allyl chloride	ND		5.0	0.44	ug/L	ND		60-140			
Benzene	ND	25.0	5.0	0.41	ug/L	27.2	109	71-124			
Bromobenzene	ND		5.0	0.80	ug/L	ND		78-120			
Bromochloromethane	ND		5.0	0.87	ug/L	ND		72-130			
Bromodichloromethane	ND		5.0	0.39	ug/L	ND		80-122			
Bromoform	ND		5.0	0.26	ug/L	ND		66-128			
Bromomethane	ND		5.0	0.69	ug/L	ND		36-150			
Carbon disulfide	ND		5.0	0.19	ug/L	ND		59-134			
Carbon Tetrachloride	ND		5.0	0.27	ug/L	ND		72-134			
Chlorobenzene	ND	25.0	5.0	0.75	ug/L	27.0	108	72-120			
Dibromochloromethane	ND		5.0	0.32	ug/L	ND		75-125			
Chlorodifluoromethane	ND		5.0	0.26	ug/L	ND					
Chloroethane	ND		5.0	0.32	ug/L	ND		69-136			
Chloroform	ND		5.0	0.34	ug/L	ND		73-127			
Chloromethane	ND		5.0	0.35	ug/L	ND		49-142			
Chloroprene	ND		5.0	0.49	ug/L	ND		60-140			
cis-1,2-Dichloroethene	ND	25.0	5.0	0.81	ug/L	26.7	107	74-124			
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	ND		74-124			
Cyclohexane	ND		5.0	0.18	ug/L	ND		70-130			
Cyclohexanone	ND		10	5.2	ug/L	ND					
Dibromomethane	ND		5.0	0.41	ug/L	ND		76-127			
Dichlorodifluoromethane	ND		5.0	0.68	ug/L	ND		33-157			
Dichlorofluoromethane	ND		5.0	0.34	ug/L	ND					
Dicyclopentadiene	ND		5.0	0.22	ug/L	ND					
Diethyl ether	ND		5.0	0.72	ug/L	ND					
Epichlorohydrin	ND		20	8.4	ug/L	ND					
Ethyl Acetate	ND		10	0.66	ug/L	ND					
Ethyl Methacrylate	ND		5.0	0.59	ug/L	ND		60-140			
Ethyl tert-Butyl Ether	ND		5.0	0.29	ug/L	ND		75-125			
Ethylbenzene	ND	25.0	5.0	0.74	ug/L	27.6	110	77-123			
Heptane	ND		20	0.42	ug/L	ND					
Hexachlorobutadiene	ND		5.0	0.28	ug/L	ND		62-124			
Hexane	ND		10	0.40	ug/L	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Analyzed: 06/02/10 (Lab Number:10F0122-MS1, Batch: 10F0122)											
QC Source Sample: RTE1305-03											
Iodomethane	ND		10	0.30	ug/L	ND		52-151			
Isobutanol	ND		40	20	ug/L	ND		60-140			
Isopropyl alcohol	ND		20	18	ug/L	ND					
Isopropyl ether	ND		5.0	0.59	ug/L	ND		75-125			
Isopropylbenzene	ND		5.0	0.79	ug/L	ND		77-122			
Methacrylonitrile	ND		5.0	0.69	ug/L	ND		60-140			
Methyl Acetate	ND		5.0	0.50	ug/L	ND		60-140			
Methyl Methacrylate	ND		5.0	0.61	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)	ND	25.0	5.0	0.16	ug/L	26.9	108	64-127			
Methylcyclohexane	ND		5.0	0.16	ug/L	ND		60-140			
Methylene Chloride	ND		5.0	0.44	ug/L	ND		57-132			
m-Monochlorobenzotrifluoride	ND		5.0	0.49	ug/L	ND					
m-Xylene & p-Xylene	ND	50.0	5.0	0.66	ug/L	54.9	110	76-122			
n-Butanol	ND		40	8.8	ug/L	ND					
n-Butylbenzene	ND		5.0	0.64	ug/L	ND		71-128			
n-Propylbenzene	ND		5.0	0.69	ug/L	ND		77-120			
o-Monochlorobenzotrifluoride	ND		5.0	0.50	ug/L	ND					
o-Xylene	ND	25.0	5.0	0.76	ug/L	26.3	105	76-122			
Pentachloroethane	ND		5.0	0.34	ug/L	ND					
p-Monochlorobenzotrifluoride	ND		5.0	0.21	ug/L	ND					
Propionitrile	ND		10	5.8	ug/L	ND		60-140			
Propylene Oxide	ND		5.0	2.5	ug/L	ND					
sec-Butylbenzene	ND		1.0	0.75	ug/L	ND		74-127			
Styrene	ND		5.0	0.73	ug/L	ND		70-130			
t-Amyl alcohol	ND		5.0	1.0	ug/L	ND		75-125			
t-Butanol	ND		20	14	ug/L	ND		75-125			
Tert-Amyl Methyl Ether	ND		5.0	0.27	ug/L	ND		75-125			
tert-Butylbenzene	ND		5.0	0.81	ug/L	ND		75-123			
Tetrachloroethene	ND	25.0	5.0	0.36	ug/L	26.0	104	74-122			
Tetrahydrofuran	ND		10	1.3	ug/L	ND		44.9-144			
Toluene	ND	25.0	5.0	0.51	ug/L	26.7	107	70-122			
trans-1,2-Dichloroethene	ND	25.0	5.0	0.90	ug/L	25.9	103	73-127			
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	ND		72-123			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
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Volatile Organic Compounds by EPA 8260B

Matrix Spike Analyzed: 06/02/10 (Lab Number:10F0122-MS1, Batch: 10F0122)

QC Source Sample: RTE1305-03

trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L	ND		38-155			
Trichloroethene	ND	25.0	5.0	0.46	ug/L	27.4	109	74-123			
Trichlorofluoromethane	ND		5.0	0.88	ug/L	ND		62-152			
Vinyl acetate	ND		10	0.85	ug/L	ND		50-144			
Vinyl chloride	ND		2.0	0.90	ug/L	ND		65-133			
Xylenes, total	ND	75.0	5.0	0.66	ug/L	81.2	108	76-122			
2-Nitropropane	ND		5.0	2.2	ug/L	ND					

<i>Surrogate:</i>					ug/L		92	66-137			
<i>1,2-Dichloroethane-d4</i>					ug/L		96	73-120			
<i>Surrogate:</i>					ug/L		98	71-126			
<i>4-Bromofluorobenzene</i>					ug/L						
<i>Surrogate: Toluene-d8</i>					ug/L						

Matrix Spike Dup Analyzed: 06/02/10 (Lab Number:10F0122-MSD1, Batch: 10F0122)

QC Source Sample: RTE1305-03

1,1,1,2-Tetrachloroethane	ND		5.0	0.35	ug/L	ND		76-122		20	
1,1,1-Trichloroethane	ND		5.0	0.82	ug/L	ND		73-126		15	
1,1,2,2-Tetrachloroethane	ND		5.0	0.21	ug/L	ND		70-126		15	
1,1,2-Trichloroethane	ND		5.0	0.23	ug/L	ND		76-122		15	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.31	ug/L	ND		60-140		20	
1,1-Dichloroethane	ND	25.0	5.0	0.38	ug/L	26.8	107	71-129	1	20	
1,1-Dichloroethene	ND	25.0	5.0	0.29	ug/L	28.1	112	65-138	0.4	16	
1,1-Dichloropropene	ND		5.0	0.72	ug/L	ND		72-122		20	
1,1-Dimethoxyethane	ND		5.0	1.6	ug/L	ND					
1,2,3-Trichlorobenzene	ND		5.0	0.41	ug/L	ND		64-121		20	
1,2,3-Trichloropropane	ND		5.0	0.89	ug/L	ND		68-131		14	
1,2,3-Trimethylbenzene	ND		5.0	0.26	ug/L	ND					
1,2,4-Trichlorobenzene	ND		5.0	0.41	ug/L	ND		70-122		20	
1,2,4-Trimethylbenzene	ND	25.0	5.0	0.75	ug/L	26.2	105	76-121	0.6	20	
1,2-Dibromo-3-chloropropane	ND		5.0	0.39	ug/L	ND		56-134		15	
1,2-Dibromoethane	ND		1.0	0.73	ug/L	ND		77-120		15	
1,2-Dichlorobenzene	ND	25.0	5.0	0.79	ug/L	26.6	106	77-120	0.1	20	
1,2-Dichloroethane	ND	25.0	5.0	0.21	ug/L	26.7	107	75-127	2	20	
1,2-Dichloroethane, Total	ND		5.0	0.70	ug/L	53.5		72-124	2	20	
1,2-Dichloropropane	ND		5.0	0.72	ug/L	ND		76-120		20	
1,3,5-Trichlorobenzene	ND		5.0	0.23	ug/L	ND					
1,3,5-Trimethylbenzene	ND		5.0	0.77	ug/L	ND		77-121		20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 06/02/10 (Lab Number:10F0122-MSD1, Batch: 10F0122)											
QC Source Sample: RTE1305-03											
1,3-Dichlorobenzene	ND		5.0	0.78	ug/L	ND		77-120		20	
1,3-Dichloropropane	ND		5.0	0.75	ug/L	ND		75-120		20	
1,3-Dichloropropene, Total	ND		5.0	0.72	ug/L	ND		72-124		15	
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	ND		75-120		20	
1,4-Dioxane	ND		40	9.3	ug/L	ND					
2,2-Dichloropropane	ND		5.0	0.40	ug/L	ND		63-136		20	
2-Butanone	ND		10	1.3	ug/L	ND		57-140		20	
2-Chloroethyl vinyl ether	ND		10	0.96	ug/L	ND		60-140		20	
2-Chlorotoluene	ND		5.0	0.86	ug/L	ND		76-121		20	
2-Hexanone	ND		10	1.2	ug/L	ND		65-127		15	
2-Methylthiophene	ND		5.0	0.44	ug/L	ND					
3-Chlorotoluene	ND		5.0	0.45	ug/L	ND					
3-Methylthiophene	ND		5.0	0.53	ug/L	ND					
4-Chlorotoluene	ND		5.0	0.84	ug/L	ND		77-121		15	
p-Cymene	ND		1.0	0.31	ug/L	ND		73-120		20	
4-Methyl-2-pentanone	ND		10	2.1	ug/L	ND		71-125		35	
Acetone	ND		34	3.0	ug/L	ND		56-142		15	
Acetonitrile	ND		40	26	ug/L	ND		60-140		20	
Acrolein	ND		20	18	ug/L	ND		60-140		20	
Acrylonitrile	ND		5.0	0.83	ug/L	ND		63-138		20	
Allyl chloride	ND		5.0	0.44	ug/L	ND		60-140		20	
Benzene	ND	25.0	5.0	0.41	ug/L	27.2	109	71-124	0.04	13	
Bromobenzene	ND		5.0	0.80	ug/L	ND		78-120		15	
Bromochloromethane	ND		5.0	0.87	ug/L	ND		72-130		15	
Bromodichloromethane	ND		5.0	0.39	ug/L	ND		80-122		15	
Bromoform	ND		5.0	0.26	ug/L	ND		66-128		15	
Bromomethane	ND		5.0	0.69	ug/L	ND		36-150		15	
Carbon disulfide	ND		5.0	0.19	ug/L	ND		59-134		15	
Carbon Tetrachloride	ND		5.0	0.27	ug/L	ND		72-134		15	
Chlorobenzene	ND	25.0	5.0	0.75	ug/L	27.1	108	72-120	0.4	25	
Dibromochloromethane	ND		5.0	0.32	ug/L	ND		75-125		15	
Chlorodifluoromethane	ND		5.0	0.26	ug/L	ND					
Chloroethane	ND		5.0	0.32	ug/L	ND		69-136		15	
Chloroform	ND		5.0	0.34	ug/L	ND		73-127		20	
Chloromethane	ND		5.0	0.35	ug/L	ND		49-142		15	
Chloroprene	ND		5.0	0.49	ug/L	ND		60-140		20	

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Project: Benchmark - Niagara St. site
Project Number: TURN

Received: 05/26/10
Reported: 06/04/10 10:39

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 06/02/10 (Lab Number:10F0122-MSD1, Batch: 10F0122)											
QC Source Sample: RTE1305-03											
cis-1,2-Dichloroethene	ND	25.0	5.0	0.81	ug/L	26.6	107	74-124	0.3	15	
cis-1,3-Dichloropropene	ND		5.0	0.36	ug/L	ND		74-124		15	
Cyclohexane	ND		5.0	0.18	ug/L	ND		70-130		20	
Cyclohexanone	ND		10	5.2	ug/L	ND					
Dibromomethane	ND		5.0	0.41	ug/L	ND		76-127		15	
Dichlorodifluoromethane	ND		5.0	0.68	ug/L	ND		33-157		20	
Dichlorofluoromethane	ND		5.0	0.34	ug/L	ND					
Dicyclopentadiene	ND		5.0	0.22	ug/L	ND					
Diethyl ether	ND		5.0	0.72	ug/L	ND					
Epichlorohydrin	ND		20	8.4	ug/L	ND					
Ethyl Acetate	ND		10	0.66	ug/L	ND					
Ethyl Methacrylate	ND		5.0	0.59	ug/L	ND		60-140		20	
Ethyl tert-Butyl Ether	ND		5.0	0.29	ug/L	ND		75-125		15	
Ethylbenzene	ND	25.0	5.0	0.74	ug/L	27.5	110	77-123	0.4	15	
Heptane	ND		20	0.42	ug/L	ND					
Hexachlorobutadiene	ND		5.0	0.28	ug/L	ND		62-124		20	
Hexane	ND		10	0.40	ug/L	ND					
Iodomethane	ND		10	0.30	ug/L	ND		52-151		20	
Isobutanol	ND		40	20	ug/L	ND		60-140		20	
Isopropyl alcohol	ND		20	18	ug/L	ND					
Isopropyl ether	ND		5.0	0.59	ug/L	ND		75-125		15	
Isopropylbenzene	ND		5.0	0.79	ug/L	ND		77-122		20	
Methacrylonitrile	ND		5.0	0.69	ug/L	ND		60-140		20	
Methyl Acetate	ND		5.0	0.50	ug/L	ND		60-140		20	
Methyl Methacrylate	ND		5.0	0.61	ug/L	ND		60-140		20	
Methyl-t-Butyl Ether (MTBE)	ND	25.0	5.0	0.16	ug/L	26.8	107	64-127	0.3	37	
Methylcyclohexane	ND		5.0	0.16	ug/L	ND		60-140		20	
Methylene Chloride	ND		5.0	0.44	ug/L	ND		57-132		15	
m-Monochlorobenzotrifluoride	ND		5.0	0.49	ug/L	ND					
m-Xylene & p-Xylene	ND	50.0	5.0	0.66	ug/L	54.6	109	76-122	0.7	16	
n-Butanol	ND		40	8.8	ug/L	ND					
n-Butylbenzene	ND		5.0	0.64	ug/L	ND		71-128		15	
n-Propylbenzene	ND		5.0	0.69	ug/L	ND		77-120		15	
o-Monochlorobenzotrifluoride	ND		5.0	0.50	ug/L	ND					
o-Xylene	ND	25.0	5.0	0.76	ug/L	26.4	106	76-122	0.5	16	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Matrix Spike Dup Analyzed: 06/02/10 (Lab Number:10F0122-MSD1, Batch: 10F0122)											
QC Source Sample: RTE1305-03											
Pentachloroethane	ND		5.0	0.34	ug/L	ND					
p-Monochlorobenzotrifluoride	ND		5.0	0.21	ug/L	ND					
Propionitrile	ND		10	5.8	ug/L	ND		60-140		20	
Propylene Oxide	ND		5.0	2.5	ug/L	ND					
sec-Butylbenzene	ND		1.0	0.75	ug/L	ND		74-127		15	
Styrene	ND		5.0	0.73	ug/L	ND		70-130		20	
t-Amyl alcohol	ND		5.0	1.0	ug/L	ND		75-125		15	
t-Butanol	ND		20	14	ug/L	ND		75-125		15	
Tert-Amyl Methyl Ether	ND		5.0	0.27	ug/L	ND		75-125		15	
tert-Butylbenzene	ND		5.0	0.81	ug/L	ND		75-123		15	
Tetrachloroethene	ND	25.0	5.0	0.36	ug/L	26.0	104	74-122	0.2	20	
Tetrahydrofuran	ND		10	1.3	ug/L	ND		44.9-144		25	
Toluene	ND	25.0	5.0	0.51	ug/L	26.8	107	70-122	0.6	15	
trans-1,2-Dichloroethene	ND	25.0	5.0	0.90	ug/L	26.8	107	73-127	4	20	
trans-1,3-Dichloropropene	ND		5.0	0.37	ug/L	ND		72-123		15	
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L	ND		38-155		20	
Trichloroethene	ND	25.0	5.0	0.46	ug/L	27.6	110	74-123	0.7	16	
Trichlorofluoromethane	ND		5.0	0.88	ug/L	ND		62-152		20	
Vinyl acetate	ND		10	0.85	ug/L	ND		50-144		23	
Vinyl chloride	ND		2.0	0.90	ug/L	ND		65-133		15	
Xylenes, total	ND	75.0	5.0	0.66	ug/L	81.0	108	76-122	0.3	16	
2-Nitropropane	ND		5.0	2.2	ug/L	ND					
<i>Surrogate:</i>						<i>ug/L</i>	<i>93</i>	<i>66-137</i>			
<i>1,2-Dichloroethane-d4</i>						<i>ug/L</i>	<i>95</i>	<i>73-120</i>			
<i>4-Bromofluorobenzene</i>						<i>ug/L</i>	<i>98</i>	<i>71-126</i>			
<i>Surrogate: Toluene-d8</i>						<i>ug/L</i>					

Volatile Organic Compounds by EPA 8260B

Blank Analyzed: 06/03/10 (Lab Number:10F0230-BLK1, Batch: 10F0230)

1,2,4-Trimethylbenzene	1.0	0.75	ug/L	ND
1,3,5-Trimethylbenzene	1.0	0.77	ug/L	ND
p-Cymene	1.0	0.31	ug/L	ND
Benzene	1.0	0.41	ug/L	ND
Ethylbenzene	1.0	0.74	ug/L	ND
Isopropylbenzene	1.0	0.79	ug/L	ND

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
Blank Analyzed: 06/03/10 (Lab Number:10F0230-BLK1, Batch: 10F0230)											
Methyl-t-Butyl Ether (MTBE)			1.0	0.16	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.66	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND					
n-Propylbenzene			1.0	0.69	ug/L	ND					
o-Xylene			1.0	0.76	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND					
tert-Butylbenzene			1.0	0.81	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
<i>Surrogate:</i>					<i>ug/L</i>		92	66-137			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>					<i>ug/L</i>		92	73-120			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>					<i>ug/L</i>		95	71-126			
LCS Analyzed: 06/03/10 (Lab Number:10F0230-BS1, Batch: 10F0230)											
1,1,1,2-Tetrachloroethane			5.0	0.35	ug/L	ND		76-122			
1,1,1-Trichloroethane			5.0	0.82	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane			5.0	0.21	ug/L	ND		70-126			
1,1,2-Trichloroethane			5.0	0.23	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	0.31	ug/L	ND		60-140			
1,1-Dichloroethane		25.0	5.0	0.38	ug/L	24.7	99	71-129			
1,1-Dichloroethene		25.0	5.0	0.29	ug/L	25.5	102	65-138			
1,1-Dichloropropene			1.0	0.72	ug/L	ND		72-122			
1,1-Dimethoxyethane			5.0	1.6	ug/L	ND					
1,2,3-Trichlorobenzene			1.0	0.41	ug/L	ND		64-121			
1,2,3-Trichloropropane			5.0	0.89	ug/L	ND		68-131			
1,2,3-Trimethylbenzene			1.0	0.26	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND		70-122			
1,2,4-Trimethylbenzene		25.0	1.0	0.75	ug/L	24.3	97	76-121			
1,2-Dibromo-3-chloropropane			5.0	0.39	ug/L	ND		56-134			
1,2-Dibromoethane			5.0	0.73	ug/L	ND		77-120			
1,2-Dichlorobenzene		25.0	5.0	0.79	ug/L	25.2	101	77-120			
1,2-Dichloroethane		25.0	5.0	0.21	ug/L	25.5	102	75-127			
1,2-Dichloroethene, Total			2.0	0.70	ug/L	49.4		72-124			
1,2-Dichloropropane			5.0	0.72	ug/L	ND		76-120			
1,3,5-Trichlorobenzene			1.0	0.23	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 06/03/10 (Lab Number:10F0230-BS1, Batch: 10F0230)											
1,3,5-Trimethylbenzene			1.0	0.77	ug/L	ND		77-121			
1,3-Dichlorobenzene			1.0	0.78	ug/L	ND		77-120			
1,3-Dichloropropane			1.0	0.75	ug/L	ND		75-120			
1,3-Dichloropropene, Total			2.0	0.72	ug/L	ND		72-124			
1,4-Dichlorobenzene			5.0	0.84	ug/L	ND		75-120			
1,4-Dioxane			40	9.3	ug/L	ND					
2,2-Dichloropropane			1.0	0.40	ug/L	ND		63-136			
2-Butanone			10	1.3	ug/L	ND		57-140			
2-Chloroethyl vinyl ether			5.0	0.96	ug/L	ND		60-140			
2-Chlorotoluene			1.0	0.86	ug/L	ND		76-121			
2-Hexanone			10	1.2	ug/L	ND		65-127			
2-Methylthiophene			1.0	0.44	ug/L	ND					
3-Chlorotoluene			1.0	0.45	ug/L	ND					
3-Methylthiophene			1.0	0.53	ug/L	ND					
4-Chlorotoluene			1.0	0.84	ug/L	ND		77-121			
p-Cymene			1.0	0.31	ug/L	ND		73-120			
4-Methyl-2-pentanone			10	2.1	ug/L	ND		71-125			
Acetone			25	3.0	ug/L	ND		56-142			
Acetonitrile			100	26	ug/L	ND		60-140			
Acrolein			20	18	ug/L	ND		60-140			
Acrylonitrile			5.0	0.83	ug/L	ND		63-138			
Allyl chloride			1.0	0.44	ug/L	ND		60-140			
Benzene		25.0	5.0	0.41	ug/L	25.1	100	71-124			
Bromobenzene			1.0	0.80	ug/L	ND		78-120			
Bromochloromethane			5.0	0.87	ug/L	ND		72-130			
Bromodichloromethane			5.0	0.39	ug/L	ND		80-122			
Bromoform			5.0	0.26	ug/L	ND		66-128			
Bromomethane			5.0	0.69	ug/L	ND		36-150			
Carbon disulfide			5.0	0.19	ug/L	ND		59-134			
Carbon Tetrachloride			5.0	0.27	ug/L	ND		72-134			
Chlorobenzene		25.0	5.0	0.75	ug/L	25.2	101	72-120			
Dibromochloromethane			5.0	0.32	ug/L	ND		75-125			
Chlorodifluoromethane			1.0	0.26	ug/L	ND					
Chloroethane			5.0	0.32	ug/L	ND		69-136			
Chloroform			5.0	0.34	ug/L	ND		73-127			
Chloromethane			5.0	0.35	ug/L	ND		49-142			
Chloroprene			1.0	0.49	ug/L	ND		60-140			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 06/03/10 (Lab Number:10F0230-BS1, Batch: 10F0230)											
cis-1,2-Dichloroethene		25.0	5.0	0.81	ug/L	24.8	99	74-124			
cis-1,3-Dichloropropene			5.0	0.36	ug/L	ND		74-124			
Cyclohexane			1.0	0.18	ug/L	ND		70-130			
Cyclohexanone			10	5.2	ug/L	ND					
Dibromomethane			5.0	0.41	ug/L	ND		76-127			
Dichlorodifluoromethane			1.0	0.68	ug/L	ND		33-157			
Dichlorofluoromethane			1.0	0.34	ug/L	ND					
Dicyclopentadiene			1.0	0.22	ug/L	ND					
Diethyl ether			5.0	0.72	ug/L	ND					
Epichlorohydrin			20	8.4	ug/L	ND					
Ethyl Acetate			1.0	0.66	ug/L	ND					
Ethyl Methacrylate			1.0	0.59	ug/L	ND		60-140			
Ethyl tert-Butyl Ether			1.0	0.29	ug/L	ND		75-125			
Ethylbenzene		25.0	5.0	0.74	ug/L	25.4	102	77-123			
Heptane			20	0.42	ug/L	ND					
Hexachlorobutadiene			1.0	0.28	ug/L	ND		62-124			
Hexane			10	0.40	ug/L	ND					
Iodomethane			5.0	0.30	ug/L	ND		52-151			
Isobutanol			40	20	ug/L	ND		60-140			
Isopropyl alcohol			20	18	ug/L	ND					
Isopropyl ether			1.0	0.59	ug/L	ND		75-125			
Isopropylbenzene			1.0	0.79	ug/L	ND		77-122			
Methacrylonitrile			5.0	0.69	ug/L	ND		60-140			
Methyl Acetate			1.0	0.50	ug/L	ND		60-140			
Methyl Methacrylate			1.0	0.61	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	1.0	0.16	ug/L	24.2	97	64-127			
Methylcyclohexane			1.0	0.16	ug/L	ND		60-140			
Methylene Chloride			5.0	0.44	ug/L	1.71		57-132			J
m-Monochlorobenzotrifluoride			1.0	0.49	ug/L	ND					
m-Xylene & p-Xylene		50.0	5.0	0.66	ug/L	50.4	101	76-122			
n-Butanol			40	8.8	ug/L	ND					
n-Butylbenzene			1.0	0.64	ug/L	ND		71-128			
n-Propylbenzene			1.0	0.69	ug/L	ND		77-120			
o-Monochlorobenzotrifluoride			1.0	0.50	ug/L	ND					
o-Xylene		25.0	5.0	0.76	ug/L	24.8	99	76-122			
Pentachloroethane			1.0	0.34	ug/L	ND					

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 06/03/10 (Lab Number:10F0230-BS1, Batch: 10F0230)											
p-Monochlorobenzotrifluoride			1.0	0.21	ug/L	ND					
Propionitrile			10	5.8	ug/L	ND		60-140			
Propylene Oxide			5.0	2.5	ug/L	ND					
sec-Butylbenzene			1.0	0.75	ug/L	ND		74-127			
Styrene			5.0	0.73	ug/L	ND		70-130			
t-Amyl alcohol			1.0	1.0	ug/L	ND		75-125			
t-Butanol			20	14	ug/L	ND		75-125			
Tert-Amyl Methyl Ether			1.0	0.27	ug/L	ND		75-125			
tert-Butylbenzene			1.0	0.81	ug/L	ND		75-123			
Tetrachloroethene		25.0	5.0	0.36	ug/L	24.1	97	74-122			
Tetrahydrofuran			5.0	1.3	ug/L	ND		59.4-127			
Toluene		25.0	5.0	0.51	ug/L	24.6	98	70-122			
trans-1,2-Dichloroethene		25.0	5.0	0.90	ug/L	24.6	98	73-127			
trans-1,3-Dichloropropene			5.0	0.37	ug/L	ND		72-123			
trans-1,4-Dichloro-2-butene			10	2.1	ug/L	ND		38-155			
Trichloroethene		25.0	5.0	0.46	ug/L	25.0	100	74-123			
Trichlorofluoromethane			5.0	0.88	ug/L	ND		62-152			
Vinyl acetate			50	0.85	ug/L	ND		50-144			
Vinyl chloride			5.0	0.90	ug/L	ND		65-133			
Xylenes, total		75.0	2.0	0.66	ug/L	75.2	100	76-122			
2-Nitropropane			5.0	2.2	ug/L	ND					
<i>Surrogate:</i>					<i>ug/L</i>		<i>94</i>	<i>66-137</i>			
<i>1,2-Dichloroethane-d4</i>											
<i>Surrogate:</i>					<i>ug/L</i>		<i>97</i>	<i>73-120</i>			
<i>4-Bromofluorobenzene</i>											
<i>Surrogate: Toluene-d8</i>					<i>ug/L</i>		<i>99</i>	<i>71-126</i>			

Chain of Custody Record

Temperature on Receipt: _____

Drinking Water? Yes No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1/07)

Client: Franklin Environmental Restoration Project Manager: Nike Lesakowski Date: 5/25/10 Chain of Custody Number: 148950

Address: 255r 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: T. Reynolds Lab Contact: R. Fischer

Project Name and Location (State): Ellicott Development (572 Niagara St) Carrier/Trailer Number: _____

Contact/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					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			W	S	S	Upret	HOCl	HNO3	H2O2	H2SO4			
MW-1	5/25/10	1155	X			X							
MW-2		1155	X			X							
MW-5 (MS/MSD)		946	X			X							
MW-6		1034	X			X							
Blind Dup		1200	X			X							
Equipment Blank		0800	X			X							
Tip Blank			X			X							

For each hazard identification: Non-hazard Flammable Skin Irritant Poison B Unknown Return To Client Dispose by Lab Archive For _____ Months _____

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other: STD

1. Requisitioned By: [Signature] Date: 5/25/10 Time: 1700 1. Received By: [Signature] Date: 5/26/10 Time: 1300

2. Requisitioned By: [Signature] Date: _____ Time: _____ 2. Received By: _____ Date: _____ Time: _____

3. Requisitioned By: _____ Date: _____ Time: _____ 3. Received By: _____ Date: _____ Time: _____

Comments: _____

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

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