Buffalo Business Park

ERIE COUNTY, NEW YORK

Annual Report
2015-2016

NYSDEC Site Number: V00663-9

Prepared for:
Buffalo Business Park

1800 Broadway Street
Buffalo, New York

Prepared by:
Environmental & Geologic Management Services. LLC

15 Briar Hill Road
Orchard Park, New York 14127

Table of Contents

List of Figures

List of Tables

Appendices

I. Introduction

A. Remedial History

The Buffalo Business Park site is a warehousing & light manufacturing industrial park located on the site of an old railroad yard. It is suspected that the groundwater contamination on the site is the result of activities associated with this previous use.

The site contains two operable units: Unit 1 was an area of soil contamination which has been remediated by removal of contaminated soils: and Unit 2 is an area of groundwater contamination located in the same area where the soil contamination was located. In addition to the groundwater remedial program, there was concern regarding the potential for vapor intrusion into one of the buildings located south of the area of groundwater contamination.

B. Effectiveness of the Remedial Program

Remediation of the groundwater contamination at the site consists of a groundwater pumping system using three wells (MW-3BR, MW-4BR and MW-5BR) located in the groundwater contaminant plume. Wells are pumped using appropriate controllers to achieve drawdown of the water table and thus achieve hydraulic capture of contaminated groundwater. Wells are sampled periodically to evaluate if decreases in contaminant levels are being achieved. The primary goal of the pumping program is to achieve groundwater flow control such that flow of contaminated groundwater does not leave the site but is captured by the pumping system. Based on groundwater contour maps, this goal is being achieved.

Groundwater quality data has historically shown reductions in contaminant concentrations in some wells. Contaminant concentrations in all wells rose in 2015; however contaminant concentrations have again decreased in 2016, likely as a result of the significant increase in the amount groundwater that was collected and discharged to the sewer authority in 2016. At this time, there are no clear trends showing significant reductions in contaminant levels.

The pumping rate decreased in MW 2-BR to the point that it is no longer used as a pumping well. The pumping rate also decreased significantly at MW 4-BR. The pumping rate at MW-5BR has also declined but to a lesser extent.

MW-3BR is now being used as a pumping well and had the highest level of groundwater production in 2016.

Operation of the pumping system has historically demonstrated that the primary goal of capture can be achieved with ongoing pumping operations. Achievement of the secondary goal of contaminant reduction may be achievable, but it may take longer to achieve this goal.

Operation of the sub-slab venting system is effectively preventing soil vapors from entering the building and is ongoing.

C. Compliance

The facility is operating the pumping and venting systems in compliance with the Site Management Plan. The Buffalo Sewer Authority (BSA) Permit has been renewed for a three year period and collected groundwater continues to be pumped to the BSA. However, in June 2016 Buffalo Business Park received a notice of violation that the groundwater discharged to the BSA exceeds the daily maximum limit for tetrachloroethylene and will be required to investigate this occurrence in order to continue to discharge groundwater to the BSA.

D. Recommendations

At this time, no changes to the Site Management Plan (SMP) are recommended. The requirements for discontinuing the SMP have not been met.

Pumping volumes, water level measurements along with sampling and analysis of groundwater will continue as described in the SMP.

II. Site Overview

A. Site Description

The site consists of a 1 Acre portion of the Buffalo Business Park property located at 1800 Broadway in Buffalo, New York. The site is located at the entrance to the property and consists primarily of parking and driveway areas and a portion of the commercial/industrial building fronting on Broadway.

B. Remedial Program for the site

The remedial program for the site consists of the following:

- excavation of contaminated soil (completed);
- pumping of contaminated groundwater to achieve capture (no contaminated groundwater leaving the site) as well as reduction of groundwater contaminant concentrations; and
- installation and operation of a sub-slab depressurization system in the building (ongoing).

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III. Remedy Performance, Effectiveness, and Protectiveness

A. Groundwater Capture

A review of potentiometric surface maps for groundwater from 2009 through 2016 show that the use of pumping wells has historically prevented contaminated groundwater from leaving the site. However, in 2014-2015, pumping rates declined at MW-2BR due to the general lack of groundwater recharge in this well. As a result, MW-2BR was returned to the status of groundwater monitoring well and groundwater monitoring well MW-3BR was converted to a groundwater pumping well. 107,920 gallons of water were pumped at MW-3BR; 24,320 gallons of water were pumped at MW-5BR; and 2,680 gallons were pumped at MW-4BR. Table 1 provides a summary of pumping history, and summarizes the pumping volumes by well for the 2015 – 2016 reporting period..

B. Groundwater Contamination Levels

There are three principal contaminants present in groundwater: tetrachloroethene, trichloroethene and dichloroethene. Two of these compounds (trichloroethene and dichloroethene) are degradation products of tetrachloroethene. Review of groundwater data from the 2004 monitoring event to 2016 (Table 2) shows that the concentrations of these compounds increased in all the wells that were sampled during the 2014 to 2015 operational period. The concentration of tetrachloroethene decreased in all wells sampled during the 2015 to 2016 operational period.

The concentration of trichloroethene also decreased in all the wells that were sampled during the 2015 to 2016 operational period, except at MW-5BR. The concentration of dichloroethene decreased in MW-2BR and MW-3BR during the 2015 to 2016 operational period, but increased at MW-4BR and MW-5BR and MW-5A BR.

The analytical data package is attached as Appendix B.

IV. Institutional Controls/Engineering Controls Plan Compliance (IC/EC Plan)

A. IC/EC Requirements and Compliance

Buffalo Business Park has both engineering controls (Groundwater Pumping; Sub slab venting) and institutional controls (Deed Restriction) in place.

Institutional Controls - The site continues to be owned and managed by Buffalo Business Park. No sale of the property has been made or is currently contemplated. ICs are noted on survey maps of the area are subject to deed restrictions.

Engineering Controls - Buffalo Business Park continues to operate and maintain the groundwater pumping system. The sub slab venting system is continuously operational.

Corrective Measures: There are currently no operational deficiencies in the EC/IC operations.

No changes to EC/IC Plan are recommended at this time. The IC/EC certification is provided in Appendix A.

Buffalo Business Park received a notice of violation from the Buffalo Sewer Authority dated June 17, 2016 that the groundwater discharged to the BSA exceeds the daily maximum limit for tetrachloroethylene and will be required to investigate this occurrence in order to continue to discharge groundwater to the BSA. Buffalo Business Park responded to the BSA and will start the follow up investigation in August, 2016. The Notice of Violation letter from the BSA and Buffalo Business Park's letter of response are provided in Appendix D.

V. Monitoring Plan Compliance Report

A. Monitoring Plan Requirements

The monitoring plan requires that wells (MWBR-2, MW – 3BR, MWBR-4, MW – 5BR and MWBR-5A) are sampled annually and samples analyzed for volatile organic compounds (VOCs). Annual groundwater sampling was completed on May 27, 2016.

The plan also requires that all wells be measured for groundwater elevation to evaluate groundwater flow. This measurement was completed on May 26 and 27, 2016.

B. Summary of Monitoring Completed during Reporting Period

Copies of the field data are provided in Appendix C. A potentiometric contour map based on the elevation data is provided as Figure 1. Equilibrium conditions are shown on Figure 2. Groundwater analytical data is included in Appendix B.

C. Comparisons with Remedial Objectives

Groundwater monitoring results show that the remedial objective of onsite capture of contaminated groundwater is being met. Groundwater quality objectives have shown an historic decrease in contaminant levels until 2014, when the contaminant concentrations in groundwater increased at monitoring wells MW2-BR and MW4-BR.

Contaminant concentrations increased again in 2015; however groundwater quality improved during the 2015 – 2016 annual period. Overall, groundwater quality objectives are not being met.

D. Monitoring Deficiencies:

There were no monitoring deficiencies in this period. Groundwater elevations were measured in January 2015 and again in June 2016.

E. Conclusions and Recommendations

No changes to the monitoring program are recommended at this time.

VI. Operation & Maintenance (O & M) Plan Compliance Report

A. Components of O&M Plan

Inspections and data recording are being conducted as required. Deficiencies are corrected and corrective actions are documented.

B. Summary of O & M Completed During Reporting Period

O&M activities are summarized and details of O & M actions are recorded in the monthly inspection reports and are kept onsite. The sub-slab depressurization blowers were recently inspected. This certified inspection form is attached as Appendix

C. Evaluation of Remedial Systems

The remedial systems are operating as designed at MW-4BR and MW-5ABR. The pumping system at MW-2BR was removed due to the general lack of groundwater in this well and a pumping system has been installed in MW-3BR. Maintenance performed is routine and not unusual (ex. Pump failure). No changes to the remedial systems are recommended at this time.

D. O & M Deficiencies

There are no operational or maintenance deficiencies at this time.

E. Conclusions and Recommendations for Improvements

The remedial system as designed and operated is capturing contaminated groundwater at the site. There are no recommendations for improvement to the remedial system. No changes to the O & M plan are recommended.

VII. Overall Conclusions and Recommendations

A. Compliance with SMP

Buffalo Business Park has complied with all aspects of the SMP (IC/EC; O & M and Monitoring) for the period 2015 to 2016.

B. Performance and Effectiveness of the Remedy

The remedy has been effective in containing groundwater contamination and preventing contamination from leaving the site. Groundwater quality criteria have not been met and pumping should continue.

C. Future Submittals

Frequency of reporting should remain as currently required.

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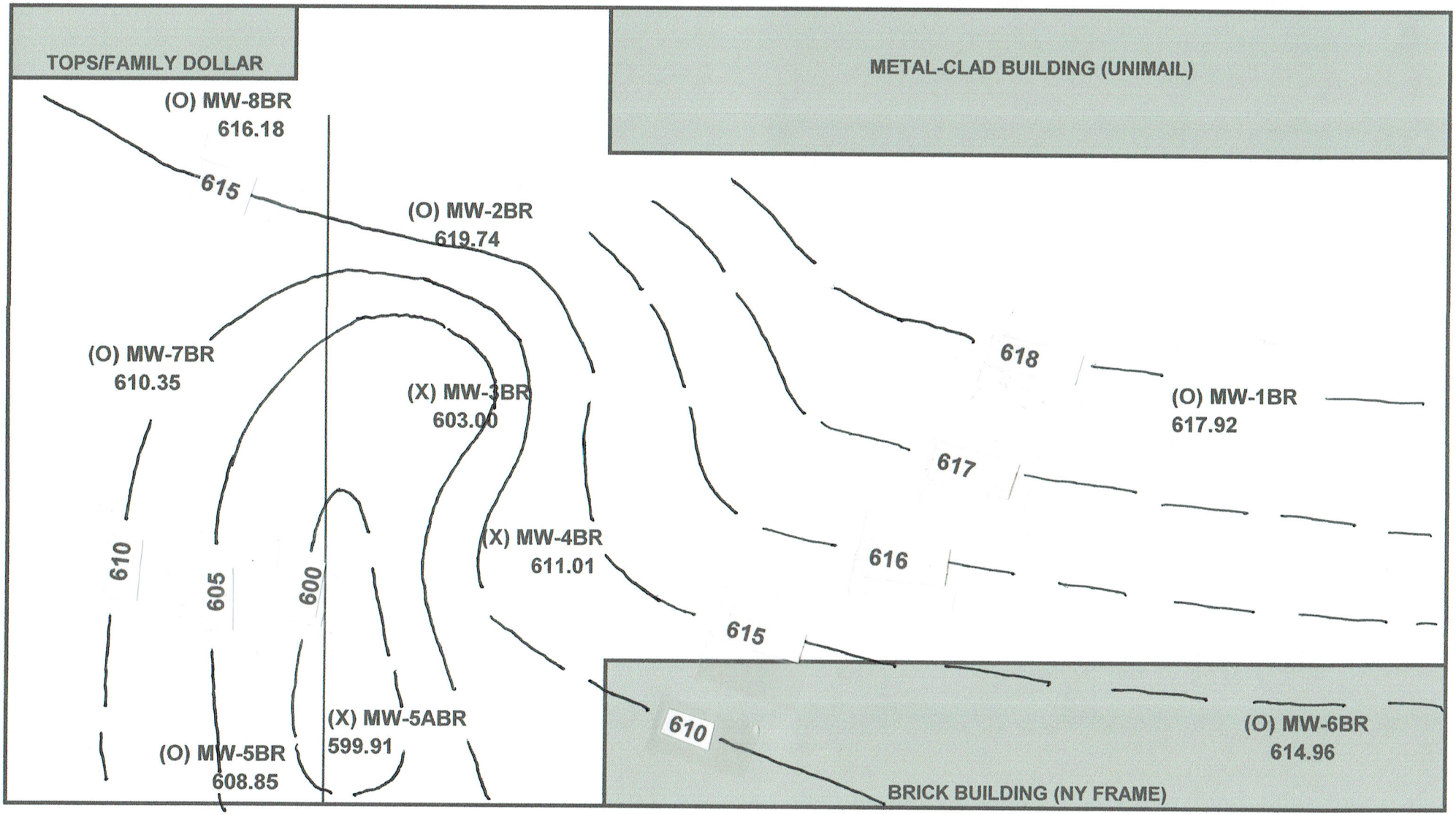
FIGURES

BUFFALO BUS. PARK WATER LEVELS - PUMPING CONDITIONS

MAY 26, 2016

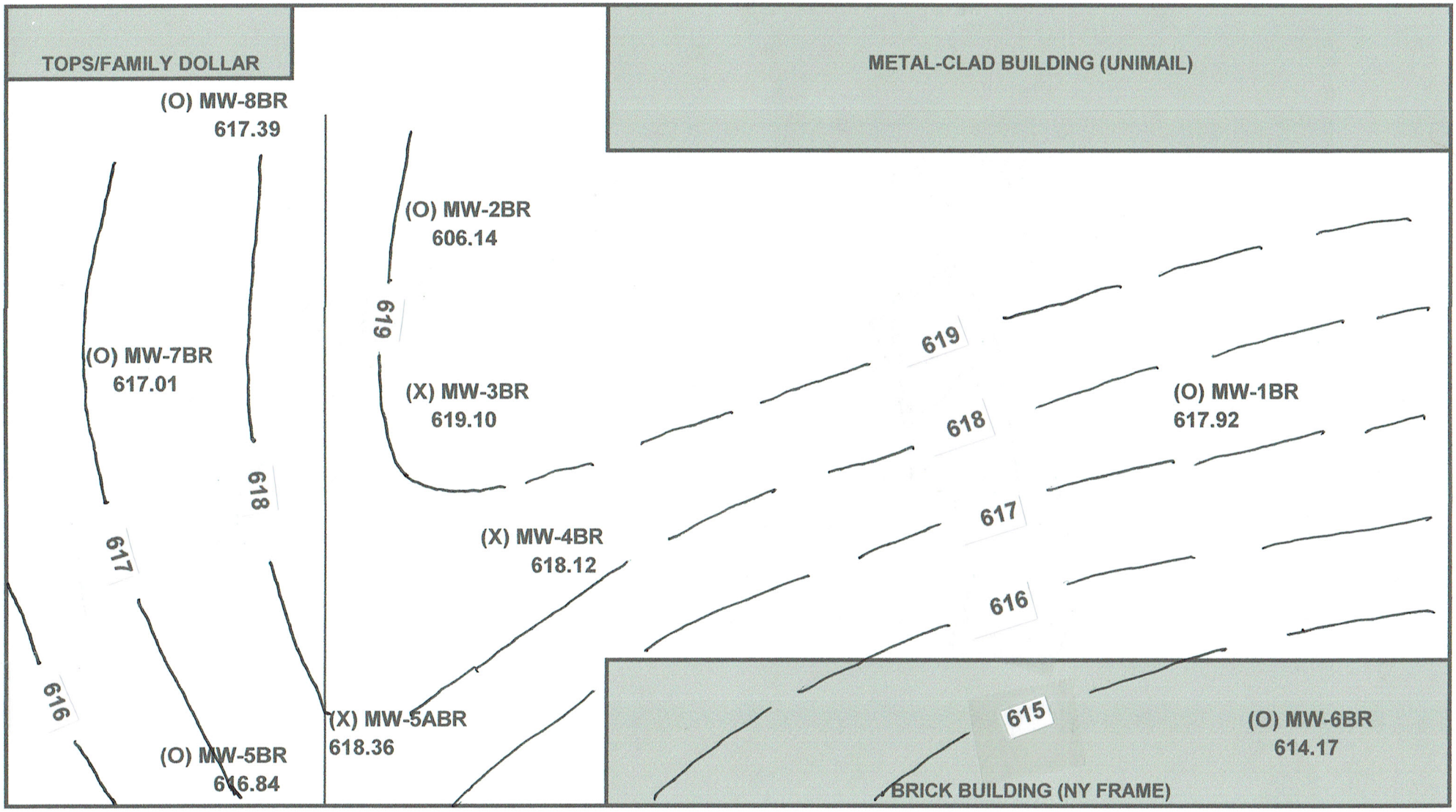


(O) MONITORING WELL

(X) PUMPING WELL - TURNED ON

BUFFALO BUS. PARK WATER LEVELS - NON-PUMPING CONDITIONS

MAY 27, 2016



(O) MONITORING WELL

(X) PUMPING WELL - TURNED ON

TABLES

TABLE 1: PUMPING WELL TOTALIZERS
BUFFALO BUSINESS PARK

DATE	MW-4 BR**	MW-2 BR*	MW-3 BR***	MW-5A BR
8/7/2008	0	na	na	na
8/26/2008	15575	na	na	na
10/13/2008	52364	na	na	na
10/1/2009	137280	na	na	na
12/15/2009	148600	0	na	na
9/8/2010	194590	na	na	na
9/15/2010	na	na	na	0
4/27/2011	231020	1220	na	44170
5/31/2012	256870	4930	na	116430
5/8/2013	289130	5180	na	170960
5/15/2014	403380	5310	na	224850
1/19/2015	421440	5310	na	254600
5/27/2015	421460	5310	na	272660
7/17/2015	424105	na	na	279160
1/7/2016	424130	na	60	279160
3/9/2016	424140	na	18650	287420
5/26/2016	424140	na	107920	296980

Total Water Pumped during 2015-2016 Reporting Season:

MW-3 BR	**107,920 gallons**	
MW-4 BR	**2,680 gallons**	
MW-5A BR	**24,320 gallons**	
	134,920 gallons	**Total**

* MW-2 BR - pump removed due to poor recharge - 5/27/15
**MW-4 BR - pump not running, GFI replaced and well started - 5/27/15
*** MW-3 BR - pump started - 1/7/16

EGMS

TABLE 2. VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
BUFFALO BUSINESS PARK

Well ID			MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR
Date			9/17/2004	2/15/2006			4/13/2009	4/27/2011	5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016
Parameter	Units	Criteria											
1,2-Dichloroethene (cis)	ug/l	5	ND	ND	Not	Not	11	1.5	17	100	2300	4800	2500
1,2-Dichloroethene, Total	ug/l				Sampled	Sampled		1.5		100	2300	4800	2500
Tetrachloroethene	ug/l	5	4600	2600			9,600	1	20	8.1	5500	18,000	95
Trichloroethene	ug/l	5	ND	30			75		2.2	0.92J	1000	1,600	69
							9,686	4.0	39.2	208.1	11,100	29,200	5,164

Well ID			MW3-BR	MW3-BR	MW3-BR	MW3-BR	MW3-BR	MW3-BR	MW3-BR
Date			4/13/2009	4/27/2011	5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016
Parameter	Units	Criteria							
1,2-Dichloroethene (cis)	ug/l	5	620	430	220	1800	520	1,400	1100
1,2-Dichloroethene, Total	ug/l			430		1800	520	1400	1100
Tetrachloroethene	ug/l	5	2,200	4,200	1400	16000	4100	21,000	4400
Trichloroethene	ug/l	5	570	360	78	810	180	1,200	630
			3,390	5,420	1,698	20,410	5,320	25,000	7,230

Well ID			MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR
Date			2/15/2006	5/1/2008	10/13/2008	4/13/2009	4/27/2011	5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016	
Parameter	Units	Criteria											
1,2-Dichloroethene (cis)	ug/l	5	1400	1000	620	630	21.0	730	990	1700	890	2900	
1,2-Dichloroethene, Total	ug/l						22.0		1000	1700	890	2900	
Tetrachloroethene	ug/l	5	30000	31000	4300	13,000	710.0	13000	11000	12000	20,000	520	
Trans-1,2-Dichlorowthene	ug/l											40	
Trichloroethene	ug/l	5	3600	3500	980	1,400	64.0	1500	1600	2200	2,600	290	
Vinyl chloride	ug/l	2										130	
						15,030	817	15,230	14,590	17,600	24,380	6,780	

Well ID			MW5-BR	MW5-BR	MW5-BR	MW5-BR	MW5-BR	MW5-BR	MW5-BR
Date			4/13/2009	4/27/2011	5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016
Parameter	Units	Criteria							
1,1-Dichloroethene								15	
1,2-Dichloroethene (cis)	ug/l	5	1,100	2700.0	3500	2100	740	3,000	3700
1,2-Dichloroethene, Total	ug/l			2700.0		2100	750	3,000	3700
Tetrachloroethene	ug/l	5	15,000	1300.0	220	320	110	2,100	1500
Trichloroethene	ug/l	5		850.0	160	290	77	1,000	1300
Vinyl chloride	ug/l	2				100	110	130	
			16,100	7,550	3,880	4,910	1,787	9,245	10,200

Well ID			MW5A-BR	MW5A-BR	MW5A-BR	MW5A-BR	MW5A-BR	MW5A-BR
Date			4/27/2011	5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016
Parameter	Units	Criteria						
1,1-Dichloroethene							9.6	
1,2-Dichloroethene (cis)	ug/l	5	970.0	1900	870	170	1,500	2100
1,2-Dichloroethene, Total	ug/l		970.0		880	170	1,500	2100
Tetrachloroethene	ug/l	5	4300.0	8900	1300	410	12,000	4000
Trichloroethene	ug/l	5	1300.0	2000	370	110	2,300	1400
Vinyl chloride	ug/l	2					76	
			7,540	12,800	3,420	860	17,386	9,600

APPENDICES

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00663**

Site Name **Buffalo Business Park**

Site Address: 1800 Broadway Zip Code: 14212-2001
City/Town: Buffalo
County: Erie
Site Acreage: 1.4

Reporting Period: September 15, 2015 to June 15, 2016

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
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?	☐	X

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. V00663 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
101.19-1-5.1	Gary Crewson	Ground Water Use Restriction Site Management Plan Soil Management Plan Ground Water Use Restriction Landuse Restriction Monitoring Plan O&M Plan IC/EC Plan

The deed restriction was filed on 11-19-2010. The Controlled Property (1.4137 acres) is subject to the Site Management Plan. The Controlled Property is the south west corner of the entire Buffalo Business Park property (19.93 acres).

Restrictions:

1. The Controlled Property may be used only for industrial or commercial purposes, excluding day care, child care, and medical care uses.
2. The Groundwater beneath the Controlled Property may not be used for potable or non-potable purposes;
3. The Site Management Plan must be implemented for the Controlled Property;
4. Soils at the Controlled Property shall be managed in accordance with the Site Management plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
101.19-1-5.1	Groundwater Treatment System Vapor Mitigation

1. SSDS: A sub slab depressurization system (SSDS) is installed in the western end of New York frame building consisting of two active vents.
2. Pumping System: Three bedrock monitoring wells MW4-BR, MW3-BR and MW5A-BR are operated as pumping wells. Recovered groundwater is discharged to BSA.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00663

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I, Gary Crewson at Buffalo Business Park, 1800 Broadway, Bldg 1, Buffalo NY 14212, am certifying as Owner of the property for the Site named in the Site Details Section of this form.

Gary Crewson

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

8/29/16

Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 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, Norman Wohlabaugh at Environmental & Geologic Mgt Services, LLC, 15 Briar Hill Rd, Orchard Park, NY 14127 am certifying as a Qualified Environmental Professional for the Buffalo Business Park.

(Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
N K Wohlabaugh	9/22/16	

APPENDIX B

MAY 2016 LABORATORY DATA

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: 480-100824-1
Client Project/Site: Buffalo Business Park
Sampling Event: Buffalo Business Park

For:
Environmental Sampling & Services Inc
7183 Balla Drive
North Tonawanda, New York 14120

Attn: Robert Chiodo

Authorized for release by:
6/6/2016 11:39:30 AM
Christina Dosier, Project Mgmt. Assistant
christina.dosier@testamericainc.com

Designee for

Ryan VanDette, Project Manager II
(716)504-9830
ryan.vandette@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-100824-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-100824-1

Comments
No additional comments.

Receipt
The samples were received on 5/27/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-304411 recovered outside acceptance criteria, low biased, for 1,1,2-Trichloro-1,2,2-trifluoroethane, Chloromethane, and Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following samples are impacted: MW 2-BR (480-100824-1), MW 3-BR (480-100824-2), MW 4-BR (480-100824-3) and DUP@MW 4-BR (480-100824-6).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW 2-BR (480-100824-1), MW 3-BR (480-100824-2), MW 4-BR (480-100824-3) and DUP@MW 4-BR (480-100824-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW 5-BR (480-100824-4), MW 5-BR (480-100824-4[MS]), MW 5-BR (480-100824-4[MSD]) and MW 5A-BR (480-100824-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-304269 recovered outside acceptance criteria, low biased, for 1,1,2-Trichloro-1,2,2-trifluoroethane and Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following samples are impacted: MW 5-BR (480-100824-4), MW 5A-BR (480-100824-5) and TRIP BLANK (480-100824-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 2-BR — Lab Sample ID: 480-100824-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.65				SU	1		Field Sampling	Total/NA
Specific Conductance	996				umhos/cm	1		Field Sampling	Total/NA
Temperature	17.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-28.7				millivolts	1		Field Sampling	Total/NA
Turbidity	4.85				NTU	1		Field Sampling	Total/NA
Depth to Water from Top of Casing	5.30				ft	1		Field Sampling	Total/NA
Well Depth	26.55				ft	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	2500		80	32	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	2500		40	32	ug/L	40		8260C	Total/NA
Tetrachloroethene	95		40	14	ug/L	40		8260C	Total/NA
Trichloroethene	69		40	18	ug/L	40		8260C	Total/NA

Client Sample ID: MW 3-BR — Lab Sample ID: 480-100824-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.50				SU	1		Field Sampling	Total/NA
Specific Conductance	1476				umhos/cm	1		Field Sampling	Total/NA
Temperature	16.2				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-20.5				millivolts	1		Field Sampling	Total/NA
Turbidity	3.22				NTU	1		Field Sampling	Total/NA
Depth to Water from Top of Casing	20.99				ft	1		Field Sampling	Total/NA
Well Depth	28.60				ft	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	1100		200	81	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	1100		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene	4400		100	36	ug/L	100		8260C	Total/NA
Trichloroethene	630		100	46	ug/L	100		8260C	Total/NA

Client Sample ID: MW 4-BR — Lab Sample ID: 480-100824-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.39				SU	1		Field Sampling	Total/NA
Specific Conductance	1034				umhos/cm	1		Field Sampling	Total/NA
Temperature	16.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-14.1				millivolts	1		Field Sampling	Total/NA
Turbidity	3.04				NTU	1		Field Sampling	Total/NA
Depth to Water from Top of Casing	11.78				ft	1		Field Sampling	Total/NA
Well Depth	27.75				ft	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	2900		80	32	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	2900		40	32	ug/L	40		8260C	Total/NA
Tetrachloroethene	520		40	14	ug/L	40		8260C	Total/NA
trans-1,2-Dichloroethene	40		40	36	ug/L	40		8260C	Total/NA
Trichloroethene	290		40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	130		40	36	ug/L	40		8260C	Total/NA

Client Sample ID: MW 5-BR — Lab Sample ID: 480-100824-4

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW 5-BR (Continued) — Lab Sample ID: 480-100824-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.13				SU	1		Field Sampling	Total/NA
Specific Conductance	2030				umhos/cm	1		Field Sampling	Total/NA
Temperature	16.2				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-0.4				millivolts	1		Field Sampling	Total/NA
Turbidity	3.70				NTU	1		Field Sampling	Total/NA
Depth to Water from Top of Casing	13.57				ft	1		Field Sampling	Total/NA
Well Depth	26.70				ft	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	3700		160	65	ug/L	80		8260C	Total/NA
cis-1,2-Dichloroethene	3700	F1	80	65	ug/L	80		8260C	Total/NA
Tetrachloroethene	1500		80	29	ug/L	80		8260C	Total/NA
Trichloroethene	1300		80	37	ug/L	80		8260C	Total/NA

Client Sample ID: MW 5A-BR — Lab Sample ID: 480-100824-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.15				SU	1		Field Sampling	Total/NA
Specific Conductance	2470				umhos/cm	1		Field Sampling	Total/NA
Temperature	16.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-1.3				millivolts	1		Field Sampling	Total/NA
Turbidity	2.36				NTU	1		Field Sampling	Total/NA
Depth to Water from Top of Casing	19.85				ft	1		Field Sampling	Total/NA
Well Depth	25.40				ft	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	2100		400	160	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	2100		200	160	ug/L	200		8260C	Total/NA
Tetrachloroethene	4000		200	72	ug/L	200		8260C	Total/NA
Trichloroethene	1400		200	92	ug/L	200		8260C	Total/NA

Client Sample ID: DUP@MW 4-BR — Lab Sample ID: 480-100824-6

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.39				SU	1		Field Sampling	Total/NA
Specific Conductance	1034				umhos/cm	1		Field Sampling	Total/NA
Temperature	16.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-14.1				millivolts	1		Field Sampling	Total/NA
Turbidity	3.04				NTU	1		Field Sampling	Total/NA
Depth to Water from Top of Casing	11.78				ft	1		Field Sampling	Total/NA
Well Depth	27.75				ft	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	2900		80	32	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	2900		40	32	ug/L	40		8260C	Total/NA
Tetrachloroethene	580		40	14	ug/L	40		8260C	Total/NA
trans-1,2-Dichloroethene	41		40	36	ug/L	40		8260C	Total/NA
Trichloroethene	350		40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	120		40	36	ug/L	40		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-100824-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 2-BR
Date Collected: 05/27/16 08:24
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			06/01/16 05:09	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			06/01/16 05:09	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			06/01/16 05:09	40
1,1,2-Trichlorotrifluoroethane	ND		40	12	ug/L			06/01/16 05:09	40
1,1-Dichloroethane	ND		40	15	ug/L			06/01/16 05:09	40
1,1-Dichloroethene	ND		40	12	ug/L			06/01/16 05:09	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			06/01/16 05:09	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			06/01/16 05:09	40
1,2-Dibromoethane	ND		40	29	ug/L			06/01/16 05:09	40
1,2-Dichlorobenzene	ND		40	32	ug/L			06/01/16 05:09	40
1,2-Dichloroethane	ND		40	8.4	ug/L			06/01/16 05:09	40
1,2-Dichloroethene, Total	**2500**		80	32	ug/L			06/01/16 05:09	40
1,2-Dichloropropane	ND		40	29	ug/L			06/01/16 05:09	40
1,3-Dichlorobenzene	ND		40	31	ug/L			06/01/16 05:09	40
1,4-Dichlorobenzene	ND		40	34	ug/L			06/01/16 05:09	40
2-Butanone (MEK)	ND		400	53	ug/L			06/01/16 05:09	40
2-Hexanone	ND		200	50	ug/L			06/01/16 05:09	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			06/01/16 05:09	40
Acetone	ND		400	120	ug/L			06/01/16 05:09	40
Benzene	ND		40	16	ug/L			06/01/16 05:09	40
Bromodichloromethane	ND		40	16	ug/L			06/01/16 05:09	40
Bromoform	ND		40	10	ug/L			06/01/16 05:09	40
Bromomethane	ND		40	28	ug/L			06/01/16 05:09	40
Carbon disulfide	ND		40	7.6	ug/L			06/01/16 05:09	40
Carbon tetrachloride	ND		40	11	ug/L			06/01/16 05:09	40
Chlorobenzene	ND		40	30	ug/L			06/01/16 05:09	40
Chlorodibromomethane	ND		40	13	ug/L			06/01/16 05:09	40
Chloroethane	ND		40	13	ug/L			06/01/16 05:09	40
Chloroform	ND		40	14	ug/L			06/01/16 05:09	40
Chloromethane	ND		40	14	ug/L			06/01/16 05:09	40
cis-1,2-Dichloroethene	**2500**		40	32	ug/L			06/01/16 05:09	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			06/01/16 05:09	40
Cyclohexane	ND		40	7.2	ug/L			06/01/16 05:09	40
Dichlorodifluoromethane	ND		40	27	ug/L			06/01/16 05:09	40
Ethylbenzene	ND		40	30	ug/L			06/01/16 05:09	40
Isopropylbenzene	ND		40	32	ug/L			06/01/16 05:09	40
Methyl acetate	ND		40	52	ug/L			06/01/16 05:09	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			06/01/16 05:09	40
Methylcyclohexane	ND		40	6.4	ug/L			06/01/16 05:09	40
Methylene Chloride	ND		40	18	ug/L			06/01/16 05:09	40
Styrene	ND		40	29	ug/L			06/01/16 05:09	40
Tetrachloroethene	**95**		40	14	ug/L			06/01/16 05:09	40
Toluene	ND		40	20	ug/L			06/01/16 05:09	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			06/01/16 05:09	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			06/01/16 05:09	40
Trichloroethene	**69**		40	18	ug/L			06/01/16 05:09	40
Trichlorofluoromethane	ND		40	35	ug/L			06/01/16 05:09	40
Vinyl acetate	ND		200	34	ug/L			06/01/16 05:09	40
Vinyl chloride	ND		40	36	ug/L			06/01/16 05:09	40

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 2-BR
Date Collected: 05/27/16 08:24
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		80	26	ug/L			06/01/16 05:09	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*66 - 137*		*06/01/16 05:09*	*40*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*06/01/16 05:09*	*40*
Toluene-d8 (Surr)	*87*		*71 - 126*		*06/01/16 05:09*	*40*

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.65**				SU			05/27/16 08:24	1
Specific Conductance	**996**				umhos/cm			05/27/16 08:24	1
Temperature	**17.6**				Degrees C			05/27/16 08:24	1
Oxidation Reduction Potential	**-28.7**				millivolts			05/27/16 08:24	1
Turbidity	**4.85**				NTU			05/27/16 08:24	1
Depth to Water from Top of Casing	**5.30**				ft			05/27/16 08:24	1
Well Depth	**26.55**				ft			05/27/16 08:24	1

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 3-BR
Date Collected: 05/27/16 08:36
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			06/01/16 05:33	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			06/01/16 05:33	100
1,1,2-Trichloroethane	ND		100	23	ug/L			06/01/16 05:33	100
1,1,2-Trichlorotrifluoroethane	ND		100	31	ug/L			06/01/16 05:33	100
1,1-Dichloroethane	ND		100	38	ug/L			06/01/16 05:33	100
1,1-Dichloroethene	ND		100	29	ug/L			06/01/16 05:33	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			06/01/16 05:33	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			06/01/16 05:33	100
1,2-Dibromoethane	ND		100	73	ug/L			06/01/16 05:33	100
1,2-Dichlorobenzene	ND		100	79	ug/L			06/01/16 05:33	100
1,2-Dichloroethane	ND		100	21	ug/L			06/01/16 05:33	100
1,2-Dichloroethene, Total	**1100**		200	81	ug/L			06/01/16 05:33	100
1,2-Dichloropropane	ND		100	72	ug/L			06/01/16 05:33	100
1,3-Dichlorobenzene	ND		100	78	ug/L			06/01/16 05:33	100
1,4-Dichlorobenzene	ND		100	84	ug/L			06/01/16 05:33	100
2-Butanone (MEK)	ND		1000	130	ug/L			06/01/16 05:33	100
2-Hexanone	ND		500	120	ug/L			06/01/16 05:33	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			06/01/16 05:33	100
Acetone	ND		1000	300	ug/L			06/01/16 05:33	100
Benzene	ND		100	41	ug/L			06/01/16 05:33	100
Bromodichloromethane	ND		100	39	ug/L			06/01/16 05:33	100
Bromoform	ND		100	26	ug/L			06/01/16 05:33	100
Bromomethane	ND		100	69	ug/L			06/01/16 05:33	100
Carbon disulfide	ND		100	19	ug/L			06/01/16 05:33	100
Carbon tetrachloride	ND		100	27	ug/L			06/01/16 05:33	100
Chlorobenzene	ND		100	75	ug/L			06/01/16 05:33	100
Chlorodibromomethane	ND		100	32	ug/L			06/01/16 05:33	100
Chloroethane	ND		100	32	ug/L			06/01/16 05:33	100
Chloroform	ND		100	34	ug/L			06/01/16 05:33	100
Chloromethane	ND		100	35	ug/L			06/01/16 05:33	100
cis-1,2-Dichloroethene	**1100**		100	81	ug/L			06/01/16 05:33	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			06/01/16 05:33	100
Cyclohexane	ND		100	18	ug/L			06/01/16 05:33	100
Dichlorodifluoromethane	ND		100	68	ug/L			06/01/16 05:33	100
Ethylbenzene	ND		100	74	ug/L			06/01/16 05:33	100
Isopropylbenzene	ND		100	79	ug/L			06/01/16 05:33	100
Methyl acetate	ND		100	130	ug/L			06/01/16 05:33	100
Methyl tert-butyl ether	ND		100	16	ug/L			06/01/16 05:33	100
Methylcyclohexane	ND		100	16	ug/L			06/01/16 05:33	100
Methylene Chloride	ND		100	44	ug/L			06/01/16 05:33	100
Styrene	ND		100	73	ug/L			06/01/16 05:33	100
Tetrachloroethene	**4400**		100	36	ug/L			06/01/16 05:33	100
Toluene	ND		100	51	ug/L			06/01/16 05:33	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			06/01/16 05:33	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			06/01/16 05:33	100
Trichloroethene	**630**		100	46	ug/L			06/01/16 05:33	100
Trichlorofluoromethane	ND		100	88	ug/L			06/01/16 05:33	100
Vinyl acetate	ND		500	85	ug/L			06/01/16 05:33	100
Vinyl chloride	ND		100	90	ug/L			06/01/16 05:33	100

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 3-BR
Date Collected: 05/27/16 08:36
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		200	66	ug/L			06/01/16 05:33	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*66 - 137*		*06/01/16 05:33*	*100*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*06/01/16 05:33*	*100*
Toluene-d8 (Surr)	*87*		*71 - 126*		*06/01/16 05:33*	*100*

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.50**				SU			05/27/16 08:36	1
Specific Conductance	**1476**				umhos/cm			05/27/16 08:36	1
Temperature	**16.2**				Degrees C			05/27/16 08:36	1
Oxidation Reduction Potential	**-20.5**				millivolts			05/27/16 08:36	1
Turbidity	**3.22**				NTU			05/27/16 08:36	1
Depth to Water from Top of Casing	**20.99**				ft			05/27/16 08:36	1
Well Depth	**28.60**				ft			05/27/16 08:36	1

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 4-BR
Date Collected: 05/27/16 08:47
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			06/01/16 05:57	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			06/01/16 05:57	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			06/01/16 05:57	40
1,1,2-Trichlorotrifluoroethane	ND		40	12	ug/L			06/01/16 05:57	40
1,1-Dichloroethane	ND		40	15	ug/L			06/01/16 05:57	40
1,1-Dichloroethene	ND		40	12	ug/L			06/01/16 05:57	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			06/01/16 05:57	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			06/01/16 05:57	40
1,2-Dibromoethane	ND		40	29	ug/L			06/01/16 05:57	40
1,2-Dichlorobenzene	ND		40	32	ug/L			06/01/16 05:57	40
1,2-Dichloroethane	ND		40	8.4	ug/L			06/01/16 05:57	40
1,2-Dichloroethene, Total	**2900**		80	32	ug/L			06/01/16 05:57	40
1,2-Dichloropropane	ND		40	29	ug/L			06/01/16 05:57	40
1,3-Dichlorobenzene	ND		40	31	ug/L			06/01/16 05:57	40
1,4-Dichlorobenzene	ND		40	34	ug/L			06/01/16 05:57	40
2-Butanone (MEK)	ND		400	53	ug/L			06/01/16 05:57	40
2-Hexanone	ND		200	50	ug/L			06/01/16 05:57	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			06/01/16 05:57	40
Acetone	ND		400	120	ug/L			06/01/16 05:57	40
Benzene	ND		40	16	ug/L			06/01/16 05:57	40
Bromodichloromethane	ND		40	16	ug/L			06/01/16 05:57	40
Bromoform	ND		40	10	ug/L			06/01/16 05:57	40
Bromomethane	ND		40	28	ug/L			06/01/16 05:57	40
Carbon disulfide	ND		40	7.6	ug/L			06/01/16 05:57	40
Carbon tetrachloride	ND		40	11	ug/L			06/01/16 05:57	40
Chlorobenzene	ND		40	30	ug/L			06/01/16 05:57	40
Chlorodibromomethane	ND		40	13	ug/L			06/01/16 05:57	40
Chloroethane	ND		40	13	ug/L			06/01/16 05:57	40
Chloroform	ND		40	14	ug/L			06/01/16 05:57	40
Chloromethane	ND		40	14	ug/L			06/01/16 05:57	40
cis-1,2-Dichloroethene	**2900**		40	32	ug/L			06/01/16 05:57	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			06/01/16 05:57	40
Cyclohexane	ND		40	7.2	ug/L			06/01/16 05:57	40
Dichlorodifluoromethane	ND		40	27	ug/L			06/01/16 05:57	40
Ethylbenzene	ND		40	30	ug/L			06/01/16 05:57	40
Isopropylbenzene	ND		40	32	ug/L			06/01/16 05:57	40
Methyl acetate	ND		40	52	ug/L			06/01/16 05:57	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			06/01/16 05:57	40
Methylcyclohexane	ND		40	6.4	ug/L			06/01/16 05:57	40
Methylene Chloride	ND		40	18	ug/L			06/01/16 05:57	40
Styrene	ND		40	29	ug/L			06/01/16 05:57	40
Tetrachloroethene	**520**		40	14	ug/L			06/01/16 05:57	40
Toluene	ND		40	20	ug/L			06/01/16 05:57	40
trans-1,2-Dichloroethene	**40**		40	36	ug/L			06/01/16 05:57	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			06/01/16 05:57	40
Trichloroethene	**290**		40	18	ug/L			06/01/16 05:57	40
Trichlorofluoromethane	ND		40	35	ug/L			06/01/16 05:57	40
Vinyl acetate	ND		200	34	ug/L			06/01/16 05:57	40
Vinyl chloride	**130**		40	36	ug/L			06/01/16 05:57	40

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 4-BR
Date Collected: 05/27/16 08:47
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		80	26	ug/L			06/01/16 05:57	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*66 - 137*		*06/01/16 05:57*	*40*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*06/01/16 05:57*	*40*
Toluene-d8 (Surr)	*86*		*71 - 126*		*06/01/16 05:57*	*40*

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.39**				SU			05/27/16 08:47	1
Specific Conductance	**1034**				umhos/cm			05/27/16 08:47	1
Temperature	**16.4**				Degrees C			05/27/16 08:47	1
Oxidation Reduction Potential	**-14.1**				millivolts			05/27/16 08:47	1
Turbidity	**3.04**				NTU			05/27/16 08:47	1
Depth to Water from Top of Casing	**11.78**				ft			05/27/16 08:47	1
Well Depth	**27.75**				ft			05/27/16 08:47	1

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 5-BR
Date Collected: 05/27/16 08:05
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		80	66	ug/L			05/31/16 13:24	80
1,1,2,2-Tetrachloroethane	ND		80	17	ug/L			05/31/16 13:24	80
1,1,2-Trichloroethane	ND		80	18	ug/L			05/31/16 13:24	80
1,1,2-Trichlorotrifluoroethane	ND		80	25	ug/L			05/31/16 13:24	80
1,1-Dichloroethane	ND		80	30	ug/L			05/31/16 13:24	80
1,1-Dichloroethene	ND		80	23	ug/L			05/31/16 13:24	80
1,2,4-Trichlorobenzene	ND		80	33	ug/L			05/31/16 13:24	80
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			05/31/16 13:24	80
1,2-Dibromoethane	ND		80	58	ug/L			05/31/16 13:24	80
1,2-Dichlorobenzene	ND		80	63	ug/L			05/31/16 13:24	80
1,2-Dichloroethane	ND		80	17	ug/L			05/31/16 13:24	80
1,2-Dichloroethene, Total	**3700**		160	65	ug/L			05/31/16 13:24	80
1,2-Dichloropropane	ND		80	58	ug/L			05/31/16 13:24	80
1,3-Dichlorobenzene	ND		80	62	ug/L			05/31/16 13:24	80
1,4-Dichlorobenzene	ND		80	67	ug/L			05/31/16 13:24	80
2-Butanone (MEK)	ND		800	110	ug/L			05/31/16 13:24	80
2-Hexanone	ND		400	99	ug/L			05/31/16 13:24	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			05/31/16 13:24	80
Acetone	ND		800	240	ug/L			05/31/16 13:24	80
Benzene	ND		80	33	ug/L			05/31/16 13:24	80
Bromodichloromethane	ND	F1	80	31	ug/L			05/31/16 13:24	80
Bromoform	ND		80	21	ug/L			05/31/16 13:24	80
Bromomethane	ND		80	55	ug/L			05/31/16 13:24	80
Carbon disulfide	ND		80	15	ug/L			05/31/16 13:24	80
Carbon tetrachloride	ND		80	22	ug/L			05/31/16 13:24	80
Chlorobenzene	ND		80	60	ug/L			05/31/16 13:24	80
Chlorodibromomethane	ND		80	26	ug/L			05/31/16 13:24	80
Chloroethane	ND	F2	80	26	ug/L			05/31/16 13:24	80
Chloroform	ND		80	27	ug/L			05/31/16 13:24	80
Chloromethane	ND		80	28	ug/L			05/31/16 13:24	80
cis-1,2-Dichloroethene	**3700**	**F1**	80	65	ug/L			05/31/16 13:24	80
cis-1,3-Dichloropropene	ND		80	29	ug/L			05/31/16 13:24	80
Cyclohexane	ND		80	14	ug/L			05/31/16 13:24	80
Dichlorodifluoromethane	ND		80	54	ug/L			05/31/16 13:24	80
Ethylbenzene	ND		80	59	ug/L			05/31/16 13:24	80
Isopropylbenzene	ND		80	63	ug/L			05/31/16 13:24	80
Methyl acetate	ND		80	100	ug/L			05/31/16 13:24	80
Methyl tert-butyl ether	ND		80	13	ug/L			05/31/16 13:24	80
Methylcyclohexane	ND		80	13	ug/L			05/31/16 13:24	80
Methylene Chloride	ND		80	35	ug/L			05/31/16 13:24	80
Styrene	ND		80	58	ug/L			05/31/16 13:24	80
Tetrachloroethene	**1500**		80	29	ug/L			05/31/16 13:24	80
Toluene	ND		80	41	ug/L			05/31/16 13:24	80
trans-1,2-Dichloroethene	ND		80	72	ug/L			05/31/16 13:24	80
trans-1,3-Dichloropropene	ND		80	30	ug/L			05/31/16 13:24	80
Trichloroethene	**1300**		80	37	ug/L			05/31/16 13:24	80
Trichlorofluoromethane	ND		80	70	ug/L			05/31/16 13:24	80
Vinyl acetate	ND		400	68	ug/L			05/31/16 13:24	80
Vinyl chloride	ND		80	72	ug/L			05/31/16 13:24	80

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 5-BR
Date Collected: 05/27/16 08:05
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		160	53	ug/L			05/31/16 13:24	80

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*66 - 137*		*05/31/16 13:24*	*80*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*05/31/16 13:24*	*80*
Toluene-d8 (Surr)	*87*		*71 - 126*		*05/31/16 13:24*	*80*

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.13**				SU			05/27/16 08:05	1
Specific Conductance	**2030**				umhos/cm			05/27/16 08:05	1
Temperature	**16.2**				Degrees C			05/27/16 08:05	1
Oxidation Reduction Potential	**-0.4**				millivolts			05/27/16 08:05	1
Turbidity	**3.70**				NTU			05/27/16 08:05	1
Depth to Water from Top of Casing	**13.57**				ft			05/27/16 08:05	1
Well Depth	**26.70**				ft			05/27/16 08:05	1

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 5A-BR
Date Collected: 05/27/16 09:04
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			05/31/16 13:48	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			05/31/16 13:48	200
1,1,2-Trichloroethane	ND		200	46	ug/L			05/31/16 13:48	200
1,1,2-Trichlorotrifluoroethane	ND		200	62	ug/L			05/31/16 13:48	200
1,1-Dichloroethane	ND		200	76	ug/L			05/31/16 13:48	200
1,1-Dichloroethene	ND		200	58	ug/L			05/31/16 13:48	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			05/31/16 13:48	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			05/31/16 13:48	200
1,2-Dibromoethane	ND		200	150	ug/L			05/31/16 13:48	200
1,2-Dichlorobenzene	ND		200	160	ug/L			05/31/16 13:48	200
1,2-Dichloroethane	ND		200	42	ug/L			05/31/16 13:48	200
1,2-Dichloroethene, Total	**2100**		400	160	ug/L			05/31/16 13:48	200
1,2-Dichloropropane	ND		200	140	ug/L			05/31/16 13:48	200
1,3-Dichlorobenzene	ND		200	160	ug/L			05/31/16 13:48	200
1,4-Dichlorobenzene	ND		200	170	ug/L			05/31/16 13:48	200
2-Butanone (MEK)	ND		2000	260	ug/L			05/31/16 13:48	200
2-Hexanone	ND		1000	250	ug/L			05/31/16 13:48	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			05/31/16 13:48	200
Acetone	ND		2000	600	ug/L			05/31/16 13:48	200
Benzene	ND		200	82	ug/L			05/31/16 13:48	200
Bromodichloromethane	ND		200	78	ug/L			05/31/16 13:48	200
Bromoform	ND		200	52	ug/L			05/31/16 13:48	200
Bromomethane	ND		200	140	ug/L			05/31/16 13:48	200
Carbon disulfide	ND		200	38	ug/L			05/31/16 13:48	200
Carbon tetrachloride	ND		200	54	ug/L			05/31/16 13:48	200
Chlorobenzene	ND		200	150	ug/L			05/31/16 13:48	200
Chlorodibromomethane	ND		200	64	ug/L			05/31/16 13:48	200
Chloroethane	ND		200	64	ug/L			05/31/16 13:48	200
Chloroform	ND		200	68	ug/L			05/31/16 13:48	200
Chloromethane	ND		200	70	ug/L			05/31/16 13:48	200
cis-1,2-Dichloroethene	**2100**		200	160	ug/L			05/31/16 13:48	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			05/31/16 13:48	200
Cyclohexane	ND		200	36	ug/L			05/31/16 13:48	200
Dichlorodifluoromethane	ND		200	140	ug/L			05/31/16 13:48	200
Ethylbenzene	ND		200	150	ug/L			05/31/16 13:48	200
Isopropylbenzene	ND		200	160	ug/L			05/31/16 13:48	200
Methyl acetate	ND		200	260	ug/L			05/31/16 13:48	200
Methyl tert-butyl ether	ND		200	32	ug/L			05/31/16 13:48	200
Methylcyclohexane	ND		200	32	ug/L			05/31/16 13:48	200
Methylene Chloride	ND		200	88	ug/L			05/31/16 13:48	200
Styrene	ND		200	150	ug/L			05/31/16 13:48	200
Tetrachloroethene	**4000**		200	72	ug/L			05/31/16 13:48	200
Toluene	ND		200	100	ug/L			05/31/16 13:48	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			05/31/16 13:48	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			05/31/16 13:48	200
Trichloroethene	**1400**		200	92	ug/L			05/31/16 13:48	200
Trichlorofluoromethane	ND		200	180	ug/L			05/31/16 13:48	200
Vinyl acetate	ND		1000	170	ug/L			05/31/16 13:48	200
Vinyl chloride	ND		200	180	ug/L			05/31/16 13:48	200

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 5A-BR
Date Collected: 05/27/16 09:04
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		400	130	ug/L			05/31/16 13:48	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*66 - 137*		*05/31/16 13:48*	*200*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*05/31/16 13:48*	*200*
Toluene-d8 (Surr)	*88*		*71 - 126*		*05/31/16 13:48*	*200*

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.15**				SU			05/27/16 09:04	1
Specific Conductance	**2470**				umhos/cm			05/27/16 09:04	1
Temperature	**16.6**				Degrees C			05/27/16 09:04	1
Oxidation Reduction Potential	**-1.3**				millivolts			05/27/16 09:04	1
Turbidity	**2.36**				NTU			05/27/16 09:04	1
Depth to Water from Top of Casing	**19.85**				ft			05/27/16 09:04	1
Well Depth	**25.40**				ft			05/27/16 09:04	1

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: DUP@MW 4-BR
Date Collected: 05/27/16 08:48
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			06/01/16 06:21	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			06/01/16 06:21	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			06/01/16 06:21	40
1,1,2-Trichlorotrifluoroethane	ND		40	12	ug/L			06/01/16 06:21	40
1,1-Dichloroethane	ND		40	15	ug/L			06/01/16 06:21	40
1,1-Dichloroethene	ND		40	12	ug/L			06/01/16 06:21	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			06/01/16 06:21	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			06/01/16 06:21	40
1,2-Dibromoethane	ND		40	29	ug/L			06/01/16 06:21	40
1,2-Dichlorobenzene	ND		40	32	ug/L			06/01/16 06:21	40
1,2-Dichloroethane	ND		40	8.4	ug/L			06/01/16 06:21	40
1,2-Dichloroethene, Total	**2900**		80	32	ug/L			06/01/16 06:21	40
1,2-Dichloropropane	ND		40	29	ug/L			06/01/16 06:21	40
1,3-Dichlorobenzene	ND		40	31	ug/L			06/01/16 06:21	40
1,4-Dichlorobenzene	ND		40	34	ug/L			06/01/16 06:21	40
2-Butanone (MEK)	ND		400	53	ug/L			06/01/16 06:21	40
2-Hexanone	ND		200	50	ug/L			06/01/16 06:21	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			06/01/16 06:21	40
Acetone	ND		400	120	ug/L			06/01/16 06:21	40
Benzene	ND		40	16	ug/L			06/01/16 06:21	40
Bromodichloromethane	ND		40	16	ug/L			06/01/16 06:21	40
Bromoform	ND		40	10	ug/L			06/01/16 06:21	40
Bromomethane	ND		40	28	ug/L			06/01/16 06:21	40
Carbon disulfide	ND		40	7.6	ug/L			06/01/16 06:21	40
Carbon tetrachloride	ND		40	11	ug/L			06/01/16 06:21	40
Chlorobenzene	ND		40	30	ug/L			06/01/16 06:21	40
Chlorodibromomethane	ND		40	13	ug/L			06/01/16 06:21	40
Chloroethane	ND		40	13	ug/L			06/01/16 06:21	40
Chloroform	ND		40	14	ug/L			06/01/16 06:21	40
Chloromethane	ND		40	14	ug/L			06/01/16 06:21	40
cis-1,2-Dichloroethene	**2900**		40	32	ug/L			06/01/16 06:21	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			06/01/16 06:21	40
Cyclohexane	ND		40	7.2	ug/L			06/01/16 06:21	40
Dichlorodifluoromethane	ND		40	27	ug/L			06/01/16 06:21	40
Ethylbenzene	ND		40	30	ug/L			06/01/16 06:21	40
Isopropylbenzene	ND		40	32	ug/L			06/01/16 06:21	40
Methyl acetate	ND		40	52	ug/L			06/01/16 06:21	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			06/01/16 06:21	40
Methylcyclohexane	ND		40	6.4	ug/L			06/01/16 06:21	40
Methylene Chloride	ND		40	18	ug/L			06/01/16 06:21	40
Styrene	ND		40	29	ug/L			06/01/16 06:21	40
Tetrachloroethene	**580**		40	14	ug/L			06/01/16 06:21	40
Toluene	ND		40	20	ug/L			06/01/16 06:21	40
trans-1,2-Dichloroethene	**41**		40	36	ug/L			06/01/16 06:21	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			06/01/16 06:21	40
Trichloroethene	**350**		40	18	ug/L			06/01/16 06:21	40
Trichlorofluoromethane	ND		40	35	ug/L			06/01/16 06:21	40
Vinyl acetate	ND		200	34	ug/L			06/01/16 06:21	40
Vinyl chloride	**120**		40	36	ug/L			06/01/16 06:21	40

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: DUP@MW 4-BR
Date Collected: 05/27/16 08:48
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		80	26	ug/L			06/01/16 06:21	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*66 - 137*		*06/01/16 06:21*	*40*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*06/01/16 06:21*	*40*
Toluene-d8 (Surr)	*86*		*71 - 126*		*06/01/16 06:21*	*40*

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.39**				SU			05/27/16 08:48	1
Specific Conductance	**1034**				umhos/cm			05/27/16 08:48	1
Temperature	**16.4**				Degrees C			05/27/16 08:48	1
Oxidation Reduction Potential	**-14.1**				millivolts			05/27/16 08:48	1
Turbidity	**3.04**				NTU			05/27/16 08:48	1
Depth to Water from Top of Casing	**11.78**				ft			05/27/16 08:48	1
Well Depth	**27.75**				ft			05/27/16 08:48	1

Client Sample ID: TRIP BLANK

Date Collected: 05/27/16 07:55
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/31/16 11:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/31/16 11:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/31/16 11:47	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			05/31/16 11:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/31/16 11:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/31/16 11:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/31/16 11:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/31/16 11:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/31/16 11:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/31/16 11:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/31/16 11:47	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/31/16 11:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/31/16 11:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/31/16 11:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/31/16 11:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/31/16 11:47	1
2-Hexanone	ND		5.0	1.2	ug/L			05/31/16 11:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/31/16 11:47	1
Acetone	ND		10	3.0	ug/L			05/31/16 11:47	1
Benzene	ND		1.0	0.41	ug/L			05/31/16 11:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/31/16 11:47	1
Bromoform	ND		1.0	0.26	ug/L			05/31/16 11:47	1
Bromomethane	ND		1.0	0.69	ug/L			05/31/16 11:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/31/16 11:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/31/16 11:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/31/16 11:47	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			05/31/16 11:47	1
Chloroethane	ND		1.0	0.32	ug/L			05/31/16 11:47	1
Chloroform	ND		1.0	0.34	ug/L			05/31/16 11:47	1
Chloromethane	ND		1.0	0.35	ug/L			05/31/16 11:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/31/16 11:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/31/16 11:47	1
Cyclohexane	ND		1.0	0.18	ug/L			05/31/16 11:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/31/16 11:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/31/16 11:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/31/16 11:47	1
Methyl acetate	ND		1.0	1.3	ug/L			05/31/16 11:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/31/16 11:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/31/16 11:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/31/16 11:47	1
Styrene	ND		1.0	0.73	ug/L			05/31/16 11:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/31/16 11:47	1
Toluene	ND		1.0	0.51	ug/L			05/31/16 11:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/31/16 11:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/31/16 11:47	1
Trichloroethene	ND		1.0	0.46	ug/L			05/31/16 11:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/31/16 11:47	1
Vinyl acetate	ND		5.0	0.85	ug/L			05/31/16 11:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/31/16 11:47	1

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: TRIP BLANK
Date Collected: 05/27/16 07:55
Date Received: 05/27/16 10:00

Lab Sample ID: 480-100824-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			05/31/16 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*66 - 137*		*05/31/16 11:47*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*05/31/16 11:47*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*05/31/16 11:47*	*1*

Surrogate Summary

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)
480-100824-1	MW 2-BR	85	107	87
480-100824-2	MW 3-BR	83	110	87
480-100824-3	MW 4-BR	82	109	86
480-100824-4	MW 5-BR	87	108	87
480-100824-4 MS	MW 5-BR	86	112	89
480-100824-4 MSD	MW 5-BR	79	112	90
480-100824-5	MW 5A-BR	86	110	88
480-100824-6	DUP@MW 4-BR	86	110	86
480-100824-7	TRIP BLANK	82	108	89
LCS 480-304269/6	Lab Control Sample	82	110	88
LCS 480-304411/10	Lab Control Sample	82	113	89
MB 480-304269/8	Method Blank	83	108	88
MB 480-304411/7	Method Blank	82	105	85

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-304269/8
Matrix: Water
Analysis Batch: 304269

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/31/16 10:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/31/16 10:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/31/16 10:16	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			05/31/16 10:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/31/16 10:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/31/16 10:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/31/16 10:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/31/16 10:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/31/16 10:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/31/16 10:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/31/16 10:16	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/31/16 10:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/31/16 10:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/31/16 10:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/31/16 10:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/31/16 10:16	1
2-Hexanone	ND		5.0	1.2	ug/L			05/31/16 10:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/31/16 10:16	1
Acetone	ND		10	3.0	ug/L			05/31/16 10:16	1
Benzene	ND		1.0	0.41	ug/L			05/31/16 10:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/31/16 10:16	1
Bromoform	ND		1.0	0.26	ug/L			05/31/16 10:16	1
Bromomethane	ND		1.0	0.69	ug/L			05/31/16 10:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/31/16 10:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/31/16 10:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/31/16 10:16	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			05/31/16 10:16	1
Chloroethane	ND		1.0	0.32	ug/L			05/31/16 10:16	1
Chloroform	ND		1.0	0.34	ug/L			05/31/16 10:16	1
Chloromethane	ND		1.0	0.35	ug/L			05/31/16 10:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/31/16 10:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/31/16 10:16	1
Cyclohexane	ND		1.0	0.18	ug/L			05/31/16 10:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/31/16 10:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/31/16 10:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/31/16 10:16	1
Methyl acetate	ND		1.0	1.3	ug/L			05/31/16 10:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/31/16 10:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/31/16 10:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/31/16 10:16	1
Styrene	ND		1.0	0.73	ug/L			05/31/16 10:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/31/16 10:16	1
Toluene	ND		1.0	0.51	ug/L			05/31/16 10:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/31/16 10:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/31/16 10:16	1
Trichloroethene	ND		1.0	0.46	ug/L			05/31/16 10:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/31/16 10:16	1
Vinyl acetate	ND		5.0	0.85	ug/L			05/31/16 10:16	1

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

Lab Sample ID: MB 480-304269/8
Matrix: Water
Analysis Batch: 304269

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			05/31/16 10:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/31/16 10:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*66 - 137*		*05/31/16 10:16*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*05/31/16 10:16*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*05/31/16 10:16*	*1*

Lab Sample ID: LCS 480-304269/6
Matrix: Water
Analysis Batch: 304269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.9		ug/L		108	70 - 126
1,1,2-Trichloroethane	25.0	27.4		ug/L		109	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	21.1		ug/L		85	52 - 148
1,1-Dichloroethane	25.0	23.9		ug/L		96	71 - 129
1,1-Dichloroethene	25.0	21.7		ug/L		87	58 - 121
1,2,4-Trichlorobenzene	25.0	25.5		ug/L		102	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	30.0		ug/L		120	56 - 134
1,2-Dibromoethane	25.0	26.2		ug/L		105	77 - 120
1,2-Dichlorobenzene	25.0	24.9		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	26.3		ug/L		105	75 - 127
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	75 - 120
2-Butanone (MEK)	125	115		ug/L		92	57 - 140
2-Hexanone	125	136		ug/L		109	65 - 127
4-Methyl-2-pentanone (MIBK)	125	129		ug/L		103	71 - 125
Acetone	125	125		ug/L		100	56 - 142
Benzene	25.0	23.8		ug/L		95	71 - 124
Bromodichloromethane	25.0	28.2		ug/L		113	80 - 122
Bromoform	25.0	27.3		ug/L		109	52 - 132
Bromomethane	25.0	25.6		ug/L		102	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	26.3		ug/L		105	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	72 - 120
Chlorodibromomethane	25.0	29.8		ug/L		119	75 - 125
Chloroethane	25.0	26.2		ug/L		105	69 - 136
Chloroform	25.0	25.5		ug/L		102	73 - 127
Chloromethane	25.0	18.6		ug/L		74	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	25.6		ug/L		103	74 - 124
Cyclohexane	25.0	19.5		ug/L		78	59 - 135
Dichlorodifluoromethane	25.0	21.5		ug/L		86	59 - 135
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
Isopropylbenzene	25.0	25.8		ug/L		103	77 - 122

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

Lab Sample ID: LCS 480-304269/6
Matrix: Water
Analysis Batch: 304269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	125	113		ug/L		90	74 - 133
Methyl tert-butyl ether	25.0	26.6		ug/L		106	64 - 127
Methylcyclohexane	25.0	22.2		ug/L		89	61 - 138
Methylene Chloride	25.0	24.2		ug/L		97	57 - 132
Styrene	25.0	25.9		ug/L		103	70 - 130
Tetrachloroethene	25.0	23.8		ug/L		95	74 - 122
Toluene	25.0	24.6		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	28.2		ug/L		113	72 - 123
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	24.9		ug/L		100	62 - 152
Vinyl acetate	50.0	46.5		ug/L		93	50 - 144
Vinyl chloride	25.0	20.9		ug/L		84	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*66 - 137*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Toluene-d8 (Surr)	*88*		*71 - 126*

Lab Sample ID: 480-100824-4 MS
Matrix: Water
Analysis Batch: 304269

Client Sample ID: MW 5-BR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2000	2340		ug/L		117	73 - 126
1,1,2,2-Tetrachloroethane	ND		2000	2160		ug/L		108	70 - 126
1,1,2-Trichloroethane	ND		2000	2140		ug/L		107	76 - 122
1,1,2-Trichlorotrifluoroethane	ND		2000	1790		ug/L		89	52 - 148
1,1-Dichloroethane	ND		2000	2100		ug/L		105	71 - 129
1,1-Dichloroethene	ND		2000	1950		ug/L		98	58 - 121
1,2,4-Trichlorobenzene	ND		2000	1980		ug/L		99	70 - 122
1,2-Dibromo-3-Chloropropane	ND		2000	2450		ug/L		123	56 - 134
1,2-Dibromoethane	ND		2000	2150		ug/L		108	77 - 120
1,2-Dichlorobenzene	ND		2000	2030		ug/L		101	80 - 124
1,2-Dichloroethane	ND		2000	2220		ug/L		111	75 - 127
1,2-Dichloropropane	ND		2000	2050		ug/L		103	76 - 120
1,3-Dichlorobenzene	ND		2000	2030		ug/L		101	77 - 120
1,4-Dichlorobenzene	ND		2000	2000		ug/L		100	75 - 120
2-Butanone (MEK)	ND		10000	9480		ug/L		95	57 - 140
2-Hexanone	ND		10000	11000		ug/L		110	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		10000	10800		ug/L		108	71 - 125
Acetone	ND		10000	9710		ug/L		97	56 - 142
Benzene	ND		2000	2110		ug/L		105	71 - 124
Bromodichloromethane	ND	F1	2000	2500	F1	ug/L		125	80 - 122
Bromoform	ND		2000	2240		ug/L		112	52 - 132
Bromomethane	ND		2000	2600		ug/L		130	55 - 144
Carbon disulfide	ND		2000	2140		ug/L		107	59 - 134
Carbon tetrachloride	ND		2000	2320		ug/L		116	72 - 134

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

Lab Sample ID: 480-100824-4 MS
Matrix: Water
Analysis Batch: 304269

Client Sample ID: MW 5-BR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	ND		2000	2060		ug/L		103	72 - 120
Chlorodibromomethane	ND		2000	2350		ug/L		118	75 - 125
Chloroethane	ND	F2	2000	2680		ug/L		134	69 - 136
Chloroform	ND		2000	2190		ug/L		109	73 - 127
Chloromethane	ND		2000	1660		ug/L		83	68 - 124
cis-1,2-Dichloroethene	3700	F1	2000	5660		ug/L		98	74 - 124
cis-1,3-Dichloropropene	ND		2000	2230		ug/L		112	74 - 124
Cyclohexane	ND		2000	1720		ug/L		86	59 - 135
Dichlorodifluoromethane	ND		2000	1770		ug/L		89	59 - 135
Ethylbenzene	ND		2000	2230		ug/L		111	77 - 123
Isopropylbenzene	ND		2000	2100		ug/L		105	77 - 122
Methyl acetate	ND		10000	9390		ug/L		94	74 - 133
Methyl tert-butyl ether	ND		2000	2200		ug/L		110	64 - 127
Methylcyclohexane	ND		2000	1890		ug/L		94	61 - 138
Methylene Chloride	ND		2000	2100		ug/L		105	57 - 132
Styrene	ND		2000	2190		ug/L		109	70 - 130
Tetrachloroethene	1500		2000	3360		ug/L		95	74 - 122
Toluene	ND		2000	2130		ug/L		106	80 - 122
trans-1,2-Dichloroethene	ND		2000	2080		ug/L		104	73 - 127
trans-1,3-Dichloropropene	ND		2000	2320		ug/L		116	72 - 123
Trichloroethene	1300		2000	3340		ug/L		102	74 - 123
Trichlorofluoromethane	ND		2000	2390		ug/L		119	62 - 152
Vinyl acetate	ND		4000	3790		ug/L		95	50 - 144
Vinyl chloride	ND		2000	1970		ug/L		98	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*66 - 137*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Toluene-d8 (Surr)	*89*		*71 - 126*

Lab Sample ID: 480-100824-4 MSD
Matrix: Water
Analysis Batch: 304269

Client Sample ID: MW 5-BR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2000	2100		ug/L		105	73 - 126	11	15
1,1,2,2-Tetrachloroethane	ND		2000	2200		ug/L		110	70 - 126	2	15
1,1,2-Trichloroethane	ND		2000	2200		ug/L		110	76 - 122	3	15
1,1,2-Trichlorotrifluoroethane	ND		2000	1640		ug/L		82	52 - 148	9	20
1,1-Dichloroethane	ND		2000	1860		ug/L		93	71 - 129	12	20
1,1-Dichloroethene	ND		2000	1730		ug/L		86	58 - 121	12	16
1,2,4-Trichlorobenzene	ND		2000	1990		ug/L		99	70 - 122	0	20
1,2-Dibromo-3-Chloropropane	ND		2000	2470		ug/L		124	56 - 134	1	15
1,2-Dibromoethane	ND		2000	2130		ug/L		106	77 - 120	1	15
1,2-Dichlorobenzene	ND		2000	2010		ug/L		100	80 - 124	1	20
1,2-Dichloroethane	ND		2000	2080		ug/L		104	75 - 127	7	20
1,2-Dichloropropane	ND		2000	1870		ug/L		94	76 - 120	9	20
1,3-Dichlorobenzene	ND		2000	2000		ug/L		100	77 - 120	2	20

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

Lab Sample ID: 480-100824-4 MSD
Matrix: Water
Analysis Batch: 304269

Client Sample ID: MW 5-BR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	ND		2000	1960		ug/L		98	75 - 120	2	20
2-Butanone (MEK)	ND		10000	9030		ug/L		90	57 - 140	5	20
2-Hexanone	ND		10000	10900		ug/L		109	65 - 127	0	15
4-Methyl-2-pentanone (MIBK)	ND		10000	10900		ug/L		109	71 - 125	1	35
Acetone	ND		10000	9250		ug/L		93	56 - 142	5	15
Benzene	ND		2000	1930		ug/L		97	71 - 124	9	13
Bromodichloromethane	ND	F1	2000	2280		ug/L		114	80 - 122	9	15
Bromoform	ND		2000	2320		ug/L		116	52 - 132	4	15
Bromomethane	ND		2000	2360		ug/L		118	55 - 144	9	15
Carbon disulfide	ND		2000	1940		ug/L		97	59 - 134	10	15
Carbon tetrachloride	ND		2000	2130		ug/L		107	72 - 134	8	15
Chlorobenzene	ND		2000	2060		ug/L		103	72 - 120	0	25
Chlorodibromomethane	ND		2000	2420		ug/L		121	75 - 125	3	15
Chloroethane	ND	F2	2000	2100	F2	ug/L		105	69 - 136	24	15
Chloroform	ND		2000	2020		ug/L		101	73 - 127	8	20
Chloromethane	ND		2000	1500		ug/L		75	68 - 124	10	15
cis-1,2-Dichloroethene	3700	F1	2000	5080	F1	ug/L		70	74 - 124	11	15
cis-1,3-Dichloropropene	ND		2000	2040		ug/L		102	74 - 124	9	15
Cyclohexane	ND		2000	1520		ug/L		76	59 - 135	12	20
Dichlorodifluoromethane	ND		2000	1540		ug/L		77	59 - 135	14	20
Ethylbenzene	ND		2000	2160		ug/L		108	77 - 123	3	15
Isopropylbenzene	ND		2000	2040		ug/L		102	77 - 122	3	20
Methyl acetate	ND		10000	9080		ug/L		91	74 - 133	3	20
Methyl tert-butyl ether	ND		2000	2100		ug/L		105	64 - 127	5	37
Methylcyclohexane	ND		2000	1710		ug/L		86	61 - 138	10	20
Methylene Chloride	ND		2000	1920		ug/L		96	57 - 132	9	15
Styrene	ND		2000	2110		ug/L		105	70 - 130	4	20
Tetrachloroethene	1500		2000	3250		ug/L		89	74 - 122	3	20
Toluene	ND		2000	1980		ug/L		99	80 - 122	7	15
trans-1,2-Dichloroethene	ND		2000	1900		ug/L		95	73 - 127	9	20
trans-1,3-Dichloropropene	ND		2000	2290		ug/L		115	72 - 123	1	15
Trichloroethene	1300		2000	2990		ug/L		84	74 - 123	11	16
Trichlorofluoromethane	ND		2000	2070		ug/L		103	62 - 152	14	20
Vinyl acetate	ND		4000	3640		ug/L		91	50 - 144	4	23
Vinyl chloride	ND		2000	1770		ug/L		88	65 - 133	11	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*79*		*66 - 137*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Toluene-d8 (Surr)	*90*		*71 - 126*

Lab Sample ID: MB 480-304411/7
Matrix: Water
Analysis Batch: 304411

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/31/16 23:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/31/16 23:25	1

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

Lab Sample ID: MB 480-304411/7
Matrix: Water
Analysis Batch: 304411

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/31/16 23:25	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			05/31/16 23:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/31/16 23:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/31/16 23:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/31/16 23:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/31/16 23:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/31/16 23:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/31/16 23:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/31/16 23:25	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/31/16 23:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/31/16 23:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/31/16 23:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/31/16 23:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/31/16 23:25	1
2-Hexanone	ND		5.0	1.2	ug/L			05/31/16 23:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/31/16 23:25	1
Acetone	ND		10	3.0	ug/L			05/31/16 23:25	1
Benzene	ND		1.0	0.41	ug/L			05/31/16 23:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/31/16 23:25	1
Bromoform	ND		1.0	0.26	ug/L			05/31/16 23:25	1
Bromomethane	ND		1.0	0.69	ug/L			05/31/16 23:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/31/16 23:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/31/16 23:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/31/16 23:25	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			05/31/16 23:25	1
Chloroethane	ND		1.0	0.32	ug/L			05/31/16 23:25	1
Chloroform	ND		1.0	0.34	ug/L			05/31/16 23:25	1
Chloromethane	ND		1.0	0.35	ug/L			05/31/16 23:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/31/16 23:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/31/16 23:25	1
Cyclohexane	ND		1.0	0.18	ug/L			05/31/16 23:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/31/16 23:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/31/16 23:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/31/16 23:25	1
Methyl acetate	ND		1.0	1.3	ug/L			05/31/16 23:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/31/16 23:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/31/16 23:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/31/16 23:25	1
Styrene	ND		1.0	0.73	ug/L			05/31/16 23:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/31/16 23:25	1
Toluene	ND		1.0	0.51	ug/L			05/31/16 23:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/31/16 23:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/31/16 23:25	1
Trichloroethene	ND		1.0	0.46	ug/L			05/31/16 23:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/31/16 23:25	1
Vinyl acetate	ND		5.0	0.85	ug/L			05/31/16 23:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/31/16 23:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/31/16 23:25	1

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

Lab Sample ID: MB 480-304411/7
Matrix: Water
Analysis Batch: 304411

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		66 - 137		05/31/16 23:25	1
4-Bromofluorobenzene (Surr)	105		73 - 120		05/31/16 23:25	1
Toluene-d8 (Surr)	85		71 - 126		05/31/16 23:25	1

Lab Sample ID: LCS 480-304411/10
Matrix: Water
Analysis Batch: 304411

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.6		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.9		ug/L		100	70 - 126
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	18.5		ug/L		74	52 - 148
1,1-Dichloroethane	25.0	22.2		ug/L		89	71 - 129
1,1-Dichloroethene	25.0	20.3		ug/L		81	58 - 121
1,2,4-Trichlorobenzene	25.0	22.3		ug/L		89	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	28.6		ug/L		115	56 - 134
1,2-Dibromoethane	25.0	23.7		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	24.3		ug/L		97	75 - 127
1,2-Dichloropropane	25.0	22.4		ug/L		90	76 - 120
1,3-Dichlorobenzene	25.0	23.0		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.8		ug/L		91	75 - 120
2-Butanone (MEK)	125	116		ug/L		93	57 - 140
2-Hexanone	125	133		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		98	71 - 125
Acetone	125	155		ug/L		124	56 - 142
Benzene	25.0	22.3		ug/L		89	71 - 124
Bromodichloromethane	25.0	26.4		ug/L		106	80 - 122
Bromoform	25.0	23.7		ug/L		95	52 - 132
Bromomethane	25.0	30.0		ug/L		120	55 - 144
Carbon disulfide	25.0	21.9		ug/L		88	59 - 134
Carbon tetrachloride	25.0	23.9		ug/L		95	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	72 - 120
Chlorodibromomethane	25.0	26.5		ug/L		106	75 - 125
Chloroethane	25.0	23.3		ug/L		93	69 - 136
Chloroform	25.0	23.9		ug/L		95	73 - 127
Chloromethane	25.0	21.2		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	22.1		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	22.5		ug/L		90	74 - 124
Cyclohexane	25.0	17.8		ug/L		71	59 - 135
Dichlorodifluoromethane	25.0	26.7		ug/L		107	59 - 135
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Isopropylbenzene	25.0	23.6		ug/L		94	77 - 122
Methyl acetate	125	104		ug/L		83	74 - 133
Methyl tert-butyl ether	25.0	23.1		ug/L		92	64 - 127
Methylcyclohexane	25.0	20.0		ug/L		80	61 - 138
Methylene Chloride	25.0	23.8		ug/L		95	57 - 132

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

Lab Sample ID: LCS 480-304411/10
Matrix: Water
Analysis Batch: 304411

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	24.4		ug/L		98	70 - 130
Tetrachloroethene	25.0	22.3		ug/L		89	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	72 - 123
Trichloroethene	25.0	22.0		ug/L		88	74 - 123
Trichlorofluoromethane	25.0	26.3		ug/L		105	62 - 152
Vinyl acetate	50.0	41.9		ug/L		84	50 - 144
Vinyl chloride	25.0	22.7		ug/L		91	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*66 - 137*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*
Toluene-d8 (Surr)	*89*		*71 - 126*

QC Association Summary

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

GC/MS VOA

Analysis Batch: 304269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100824-4	MW 5-BR	Total/NA	Water	8260C	
480-100824-4 MS	MW 5-BR	Total/NA	Water	8260C	
480-100824-4 MSD	MW 5-BR	Total/NA	Water	8260C	
480-100824-5	MW 5A-BR	Total/NA	Water	8260C	
480-100824-7	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-304269/6	Lab Control Sample	Total/NA	Water	8260C	
MB 480-304269/8	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 304411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100824-1	MW 2-BR	Total/NA	Water	8260C	
480-100824-2	MW 3-BR	Total/NA	Water	8260C	
480-100824-3	MW 4-BR	Total/NA	Water	8260C	
480-100824-6	DUP@MW 4-BR	Total/NA	Water	8260C	
LCS 480-304411/10	Lab Control Sample	Total/NA	Water	8260C	
MB 480-304411/7	Method Blank	Total/NA	Water	8260C	

Field Service / Mobile Lab

Analysis Batch: 304711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100824-1	MW 2-BR	Total/NA	Water	Field Sampling	
480-100824-2	MW 3-BR	Total/NA	Water	Field Sampling	
480-100824-3	MW 4-BR	Total/NA	Water	Field Sampling	
480-100824-4	MW 5-BR	Total/NA	Water	Field Sampling	
480-100824-5	MW 5A-BR	Total/NA	Water	Field Sampling	
480-100824-6	DUP@MW 4-BR	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: MW 2-BR
Lab Sample ID: 480-100824-1
Date Collected: 05/27/16 08:24
Matrix: Water
Date Received: 05/27/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	304411	06/01/16 05:09	GTG	TAL BUF
Total/NA	Analysis	Field Sampling		1	304711	05/27/16 08:24	FLD	TAL BUF

Client Sample ID: MW 3-BR
Lab Sample ID: 480-100824-2
Date Collected: 05/27/16 08:36
Matrix: Water
Date Received: 05/27/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	304411	06/01/16 05:33	GTG	TAL BUF
Total/NA	Analysis	Field Sampling		1	304711	05/27/16 08:36	FLD	TAL BUF

Client Sample ID: MW 4-BR
Lab Sample ID: 480-100824-3
Date Collected: 05/27/16 08:47
Matrix: Water
Date Received: 05/27/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	304411	06/01/16 05:57	GTG	TAL BUF
Total/NA	Analysis	Field Sampling		1	304711	05/27/16 08:47	FLD	TAL BUF

Client Sample ID: MW 5-BR
Lab Sample ID: 480-100824-4
Date Collected: 05/27/16 08:05
Matrix: Water
Date Received: 05/27/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		80	304269	05/31/16 13:24	RRS	TAL BUF
Total/NA	Analysis	Field Sampling		1	304711	05/27/16 08:05	FLD	TAL BUF

Client Sample ID: MW 5A-BR
Lab Sample ID: 480-100824-5
Date Collected: 05/27/16 09:04
Matrix: Water
Date Received: 05/27/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	304269	05/31/16 13:48	RRS	TAL BUF
Total/NA	Analysis	Field Sampling		1	304711	05/27/16 09:04	FLD	TAL BUF

Client Sample ID: DUP@MW 4-BR
Lab Sample ID: 480-100824-6
Date Collected: 05/27/16 08:48
Matrix: Water
Date Received: 05/27/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	304411	06/01/16 06:21	GTG	TAL BUF

Lab Chronicle

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Client Sample ID: DUP@MW 4-BR

Lab Sample ID: 480-100824-6

Date Collected: 05/27/16 08:48
Matrix: Water
Date Received: 05/27/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	304711	05/27/16 08:48	FLD	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-100824-7

Date Collected: 05/27/16 07:55
Matrix: Water
Date Received: 05/27/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	304269	05/31/16 11:47	RRS	TAL BUF

Laboratory References:

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

Certification Summary

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1,2-Dichloroethene, Total
Field Sampling		Water	Depth to Water from Top of Casing
Field Sampling		Water	Field pH
Field Sampling		Water	Oxidation Reduction Potential
Field Sampling		Water	Specific Conductance
Field Sampling		Water	Temperature
Field Sampling		Water	Turbidity
Field Sampling		Water	Well Depth

Method Summary

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Field Sampling	Field Sampling	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-100824-1	MW 2-BR	Water	05/27/16 08:24	05/27/16 10:00
480-100824-2	MW 3-BR	Water	05/27/16 08:36	05/27/16 10:00
480-100824-3	MW 4-BR	Water	05/27/16 08:47	05/27/16 10:00
480-100824-4	MW 5-BR	Water	05/27/16 08:05	05/27/16 10:00
480-100824-5	MW 5A-BR	Water	05/27/16 09:04	05/27/16 10:00
480-100824-6	DUP@MW 4-BR	Water	05/27/16 08:48	05/27/16 10:00
480-100824-7	TRIP BLANK	Water	05/27/16 07:55	05/27/16 10:00

Detection Limit Exceptions Summary

Client: Environmental Sampling & Services Inc
Project/Site: Buffalo Business Park

TestAmerica Job ID: 480-100824-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but great than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedure do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
8260C	Water	Methyl acetate	ug/L	1.0	2.5

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

5-27-16

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-83762-2266.1
Client Contact: Robert Chiodo	Phone:	E-Mail: ryan.vandette@testamericainc.com		Page: Page 1 of 1
Company: Environmental Sampling & Services Inc				Job #:

Analysis Requested

Address: 7183 Balla Drive	Due Date Requested:
City: North Tonawanda	TAT Requested (days):
State, Zip: NY, 14120	
Phone:	PO #: Purchase Order not requir
Email: ess@roadrunner.com	WO #:
Project Name: Buffalo Business Park/ Event Desc: Buffalo Business Park	Project #: 48004043
Site: New York	SSOW#:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate

480-100824 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - (MOD) TCL list OLM04.2	Total Nu	Special Instructions/Note:
			Preservation Code:				A		
MW 2-BR	5-27-16	8:24	G	Water			X	2	
MW 3-BR		8:36	G	Water			X	2	
MW 4-BR		8:47	G	Water			X	2	
MW 5-BR		8:05	G	Water			X	2	
MW 5A-BR		9:04	G	Water			X	2	
DUP@MW 4-BR		8:48	G	Water			X	2	
MS @ MW5-BR		8:05	G	Water			X	2	
SD @ MW5-BR		8:05	G	Water			X	2	
TRIP BLANK	5-27-16	7:55	G	Water			X	2	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 5/27/16 - 10:00	Company: ES+S	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Received by:	Date/Time: 5/27/16 1000	Company: ET			
Received by:	Date/Time:	Company			
Received by:	Date/Time:	Company			

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.0 #1

6/6/2016

TABLE I BUFFALO BUSINESS PARK FIELD INFORMATION

SAMPLE ID #	PURGE DATE	DEPTH TO WATER (FT.) *	DEPTH TO BOTTOM (FT.) *	SAMPLE DATE	pH (S.U.)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURB. (NTU)	eH (ppm)
MW - 2 BR	5/26/16	5.30	26.55	5/27/16	7.65	996	17.6	4.85	-28.7
MW - 3 BR	5/26/16	20.99	28.60	5/27/16	7.50	1476	16.2	3.22	-20.5
MW - 4 BR	5/26/16	11.78	27.75	5/27/16	7.39	1034	16.4	3.04	-14.1
MW - 5 BR	5/26/16	13.57	26.70	5/27/16	7.13	2030	16.2	3.70	-0.4
MW - 5A BR	5/26/16	19.85	25.40	5/27/16	7.15	2470	16.6	2.36	-1.3

* FROM THE TOP OF RISER

Login Sample Receipt Checklist

Client: Environmental Sampling & Services Inc

Job Number: 480-100824-1

Login Number: 100824
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

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

APPENDIX C

FIELD DATA

BUFFALO BUS. PARK WATER LEVELS MAY 26, 2016

WELL NUMBER	RISER ELEVATION	DEPTH TO WATER	WATER LEVEL ELEVATION
MW-1 BR	624.44	6.52	**617.92**
MW-2 BR	625.04	5.30	**619.74**
MW-3 BR	623.99	20.99	**603.00**
MW-4 BR (note 1)	622.79	11.78	**611.01**
MW-5A BR	619.76	19.85	**599.91**
MW-5 BR	622.42	13.57	**608.85**
MW-6 BR	623.57	8.61	**614.96**
MW-7 BR	623.34	12.99	**610.35**
MW-8 BR	625.87	9.69	**616.18**

*** WATER LEVELS TAKEN WITH PUMPS TURNED ON ***

Note 1 - Pump may or may not be running. Totalizer not moving, but water level down. Could be drawn down from other pumping wells

BUFFALO BUS. PARK WATER LEVELS MAY 27, 2016

WELL NUMBER	RISER ELEVATION	DEPTH TO WATER	WATER LEVEL ELEVATION
MW-1 BR	624.44	6.52	**617.92**
MW-2 BR (note 1)	625.04	18.90	**606.14**
MW-3 BR	623.99	4.89	**619.10**
MW-4 BR	622.79	4.67	**618.12**
MW-5A BR	619.76	1.40	**618.36**
MW-5 BR	622.42	5.58	**616.84**
MW-6 BR	623.57	9.40	**614.17**
MW-7 BR	623.34	6.33	**617.01**
MW-8 BR	625.87	8.48	**617.39**

*** WATER LEVELS TAKEN WITH PUMPS TURNED OFF ***

Note 1 - Purged to dryness on May 26, 2016, not fully recharged.

TABLE I

BUFFALO BUSINESS PARK

FIELD INFORMATION

SAMPLE ID #	PURGE DATE	DEPTH TO WATER (FT.) *	DEPTH TO BOTTOM (FT.) *	SAMPLE DATE	pH (S.U.)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURB. (NTU)	eH (ppm)
MW - 2 BR	5/26/16	5.30	26.55	5/27/16	7.65	996	17.6	4.85	-28.7
MW - 3 BR	5/26/16	20.99	28.60	5/27/16	7.50	1476	16.2	3.22	-20.5
MW - 4 BR	5/26/16	11.78	27.75	5/27/16	7.39	1034	16.4	3.04	-14.1
MW - 5 BR	5/26/16	13.57	26.70	5/27/16	7.13	2030	16.2	3.70	-0.4
MW - 5A BR	5/26/16	19.85	25.40	5/27/16	7.15	2470	16.6	2.36	-1.3

* FROM THE TOP OF RISER

FIELD INFORMATION LOG

SITE NAME: BUFFALO BUSINESS PARK **POINT ID:** TRIP BLANK

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - R.CHIODO

SAMPLE MATRIX: DEIONIZED WATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) _____ DEPTH TO BOTTOM (FEET) _____

ELEVATION, MEAS.PT.(MSL): _____ ELEVATION, G/W (MSL): _____

DATE _____ TIME: START/FINISH _____ / _____

METHOD OF EVACUATION:
( ) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
( ) YES ( ) NO

WELL RISER DIAMETER (IN.):( ) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) _____ WAS WELL PURGED TO DRYNESS ( ) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) _____ WATER LEVEL AFTER PURGE (FT.) _____

TURBIDITY OF PURGINGS : START _____ FINISH _____

EVACUATION STABILIZATION DATA

TIME	PURGE RATE (gpm/htz)	CUMULATIVE VOLUME	TEMP. (C)	pH (Std.Units)	SPEC. CONDUCTANCE (umhos/cm)	TURBIDITY (NTU)	OTHER [eh (mV)]

SAMPLING INFORMATION

DATE / TIME 5-27-16 / 7:55 WATER LEVEL PRIOR TO SAMLING (FT.) NA

METHOD OF SAMPLING:
( ) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD (X) OTHER

SAMPLING EQUIPMENT DEDICATED:
( ) YES
(X) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
NA	NA	NA	NA	NA	NA	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: Sunny, 75°F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: TCL VOLATILES ONLY

SAMPLE COLLECTION NUMBER 1

FIELD INFORMATION LOG

SITE NAME: BUFFALO BUSINESS PARK **POINT ID:** MW - 5 BR

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - R.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 13.57 DEPTH TO BOTTOM (FEET 26.70

ELEVATION, MEAS.PT.(MSL): 622.42 ELEVATION, G/W (MSL): 608.85

DATE 5-26-16 TIME: START/FINISH 8:40 / 8:52

METHOD OF EVACUATION:
( ) PVC BAILER ( ) WELL WIZARD ( ) OTHER
( ) S.S. BAILER (X) 12 VOLT PUMP

EVACUATION EQUIPMENT DEDICATED:
( ) YES (X) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 2.10 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 7.00 WATER LEVEL AFTER PURGE (FT.) 25.90

TURBIDITY OF PURGINGS : START CLEAR FINISH CLEAR

EVACUATION STABILIZATION DATA

TIME	PURGE RATE (gpm/htz)	CUMULATIVE VOLUME	TEMP. (C)	pH (Std.Units)	SPEC. CONDUCTANCE (umhos/cm)	TURBIDITY (NTU)	OTHER [eh (mV)]

SAMPLING INFORMATION

DATE / TIME 5-27-16 / 8:05 WATER LEVEL PRIOR TO SAMLING (FT.) 5.58

METHOD OF SAMPLING:
(X) PVC BAILER ( ) WELL WIZARD ( ) OTHER
( ) S.S. BAILER ( ) GRUNDFOS PUMP

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
8:08	7.13	2030	16.2	3.70	-0.4	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 75°F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: TCL VOLATILES ONLY

MS / SD TAKEN

SAMPLE COLLECTION NUMBER 2

FIELD INFORMATION LOG

SITE NAME: BUFFALO BUSINESS PARK **POINT ID:** MW - 2 BR

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - R.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 5.30 DEPTH TO BOTTOM (FEET 26.55

ELEVATION, MEAS.PT.(MSL): 625.04 ELEVATION, G/W (MSL): 619.74

DATE 5-26-16 TIME: START/FINISH 9:13 / 9:27

METHOD OF EVACUATION:
( ) PVC BAILER ( ) WELL WIZARD ( ) OTHER
( ) S.S. BAILER (X) 12 VOLT PUMP

EVACUATION EQUIPMENT DEDICATED:
( ) YES (X) NO

WELL RISER DIAMETER (IN.): ( ) 2 ( ) 3 (X) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 13.81 WAS WELL PURGED TO DRYNESS (X) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) DRY @ 14 WATER LEVEL AFTER PURGE (FT.) DRY

TURBIDITY OF PURGINGS : START CLEAR - AMBER FINISH TURBID - AMBER

EVACUATION STABILIZATION DATA

TIME	PURGE RATE (gpm/htz)	CUMULATIVE VOLUME	TEMP. (C)	pH (Std.Units)	SPEC. CONDUCTANCE (umhos/cm)	TURBIDITY (NTU)	OTHER [eh (mV)]

SAMPLING INFORMATION

DATE / TIME 5-27-16 / 8:24 WATER LEVEL PRIOR TO SAMLING (FT.) 18.90

METHOD OF SAMPLING:
(X) PVC BAILER ( ) WELL WIZARD ( ) OTHER
( ) S.S. BAILER ( ) GRUNDFOS PUMP

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
8.26	7.65	996	17.6	4.85	-28.7	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: Sunny, 75°F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: TCL VOLATILES ONLY

SAMPLE COLLECTION NUMBER 3

FIELD INFORMATION LOG

SITE NAME: BUFFALO BUSINESS PARK **POINT ID:** MW - 3 BR

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - R.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 20.99 DEPTH TO BOTTOM (FEET 28.60

ELEVATION, MEAS.PT.(MSL): 623.99 ELEVATION, G/W (MSL): 603.00

DATE 5-26-16 TIME: START/FINISH NA / NA

METHOD OF EVACUATION:
( ) PVC BAILER ( ) WELL WIZARD ( ) OTHER
( ) S.S. BAILER (X) GRUNDFOS PUMP

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): ( ) 2 ( ) 3 (X) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) NA WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) NA WATER LEVEL AFTER PURGE (FT.) NA

TURBIDITY OF PURGINGS : START NA FINISH NA

EVACUATION STABILIZATION DATA

TIME	PURGE RATE (gpm/htz)	CUMULATIVE VOLUME	TEMP. (C)	pH (Std.Units)	SPEC. CONDUCTANCE (umhos/cm)	TURBIDITY (NTU)	OTHER [eh (mV)]

SAMPLING INFORMATION

DATE / TIME 5-27-16 / 8:36 WATER LEVEL PRIOR TO SAMLING (FT.) 4.89 ~~NA~~

METHOD OF SAMPLING:
(X) PVC BAILER ( ) WELL WIZARD ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
8.38	7.50	1476	16.2	3.22	-20.5	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: Sunny, 75°F

SAMPLE CHARACTERISTICS: CLEAR - BLACK TINT

COMMENTS: CONTINUOUS PUMPING WELL

TCL VOLATILES ONLY

SAMPLE COLLECTION NUMBER 4

FIELD INFORMATION LOG

SITE NAME: BUFFALO BUSINESS PARK **POINT ID:** MW - 4 BR

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - R.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 11.78 DEPTH TO BOTTOM (FEET 27.75

ELEVATION, MEAS.PT.(MSL): 622.79 ELEVATION, G/W (MSL): 611.01

DATE 5-26-16 TIME: START/FINISH NA / NA

METHOD OF EVACUATION:
( ) PVC BAILER ( ) WELL WIZARD ( ) OTHER
( ) S.S. BAILER (X) GRUNDFOS PUMP

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): ( ) 2 ( ) 3 (X) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) NA WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) NA WATER LEVEL AFTER PURGE (FT.) NA

TURBIDITY OF PURGINGS : START NA FINISH NA

EVACUATION STABILIZATION DATA

TIME	PURGE RATE (gpm/htz)	CUMULATIVE VOLUME	TEMP. (C)	pH (Std.Units)	SPEC. CONDUCTANC (umhos/cm)	TURBIDITY (NTU)	OTHER [eh (mV)]

SAMPLING INFORMATION

DATE / TIME 5-27-16 , 8:47 & 8:48 WATER LEVEL PRIOR TO SAMLING (FT.) 4.67

METHOD OF SAMPLING:
(X) PVC BAILER ( ) WELL WIZARD ( ) OTHER
( ) S.S. BAILER ( ) GRUNDFOS PUMP

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
8:50	7.39	1034	16.4	3.04	-14.1	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: Sunny, 75 °F

SAMPLE CHARACTERISTICS: CLEAR - BLACK TINT

COMMENTS: CONTINUOUS PUMPING WELL TCL VOLATILES ONLY

DUP TAKEN (# 6 @ 8:48)

SAMPLE COLLECTION NUMBER 5 & 6

FIELD INFORMATION LOG

SITE NAME: BUFFALO BUSINESS PARK **POINT ID:** MW - 5A BR

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - R.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 19.85 DEPTH TO BOTTOM (FEET 25.40

ELEVATION, MEAS.PT.(MSL): 619.76 ELEVATION, G/W (MSL): 599.91

DATE 5-26-16 TIME: START/FINISH NA / NA

METHOD OF EVACUATION:
( ) PVC BAILER ( ) WELL WIZARD ( ) OTHER
( ) S.S. BAILER (X) GRUNDFOS PUMP

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): ( ) 2 ( ) 3 (X) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) NA WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) NA WATER LEVEL AFTER PURGE (FT.) NA

TURBIDITY OF PURGINGS : START NA FINISH NA

EVACUATION STABILIZATION DATA

TIME	PURGE RATE (gpm/htz)	CUMULATIVE VOLUME	TEMP. (C)	pH (Std.Units)	SPEC. CONDUCTANCE (umhos/cm)	TURBIDITY (NTU)	OTHER [eh (mV)]

SAMPLING INFORMATION

DATE / TIME 5-27-16 / 9:04 WATER LEVEL PRIOR TO SAMLING (FT.) 1.40

METHOD OF SAMPLING:
(X) PVC BAILER ( ) WELL WIZARD ( ) OTHER
( ) S.S. BAILER ( ) GRUNDFOS PUMP

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
9:04	7.15	2470	16.6	2.36	-1.3	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: Sunny, 75°F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: CONTINUOUS PUMPING WELL

TCL VOLATILES ONLY

SAMPLE COLLECTION NUMBER 7

APPENDIX D

BSA NOTICE OF VIOLATION

&

RESPONSE LETTER

BUFFALO
SEWER AUTHORITY

ADMINISTRATIVE OFFICES
1038 City Hall
65 Niagara Square
Buffalo, NY 14202-3378
Phone: (716) 851-4664
Fax: (716) 856-5810

WASTEWATER TREATMENT PLANT
Foot of West Ferry
90 West Ferry Street
Buffalo, NY 14213-1799
Phone: (716) 851-4664
Fax: (716) 883-3789

June 17, 2016

Gary Crewson
President
Buffalo Business Park, Inc.
1800 Broadway Avenue, B-1D
Buffalo, New York 14212

RE: Buffalo Business Park, Inc.
Notice of Violation

Dear Mr. Crewson:

The Buffalo Sewer Authority (BSA) conducted its annual monitoring at Buffalo Business Park, Inc., BPDES Permit #14-11-BU124, on 5/6/2016. Enclosed, please find the results.

Our review of these monitoring results shows that your facility is in non-compliance with your daily maximum limit for Tetrachloroethylene as follows:

1. On 5/6/2016, the result for Tetrachloroethylene was 930 ug/L which is equivalent to 0.93 mg/L (the daily maximum limit is 0.267 mg/L).

Due to this violation, you must conduct an internal investigation into the cause of the violation, sample for one day for Tetrachloroethylene and pH and provide this office with the written results of your investigation and the corrective measures that will be instituted to prevent the reoccurrence of these violations by July 18, 2016.

If you have any questions, please contact me directly at 716-851-4664, ext. 5250 or Traserra Adams, Legal Investigator, at ext. 5255.

Very truly yours,

BUFFALO SEWER AUTHORITY

Leslie Sedita

Leslie Sedita
Industrial Waste Administrator

Enc.
cc: M. Letina
T. Adams

SAMPLE COLLECTION FIELD SHEET

Date Submitted: 05/06/2016

IW Sample No.: 16-00242
Investigator: TA

Industry No.: BU124 BUFFALO BUSINESS PARK

Address: 1800 BROADWAY AVE, B-1D BUFFALO

Sample Point Number: 1

Type of Sample: GRAB

Sample Point Description:

% of Flow:

Flow Measuring Method:
Total Flow: 0

Installation Data

Date & Time:
Crew: MS-CM
Sample Interval: 15 MINUTE
Preservation Used: ICE
Type of Bottle: GLASS

Collection Data

Date & Time: 05/06/2016 09:00:00
Crew: MS-CM
pH: 8.0
Temperature: 10C
Observation: CLEAR COLORLESS/SEDIMENT

CHAIN OF CUSTODY

Sampler's Signature: _____

Sample No.	Location	Date	Time	Type	#Containers

Relinquished by: _____ Date: _____ Time: _____
Representing: _____
Received by: _____ Date: _____ Time: _____
Representing: _____

MONITORING REQUEST

Lab No.: 008 Lab Name: Alpha Analytical

Sample Date	Pol. Code	Pollutant Description	M/U	Results
05/06/2016	A65	624 SCAN (1624)	MicroGram	1330
05/06/2016	A13	TETRACHLOROETHYLENE	MicroGram	930
05/06/2016	A12	TRICHLOROETHYLENE	MicroGram	400
05/06/2016	N06	pH	Standard	7.0

EGMS
Environmental & Geologic Management Services, LLC

15 Briar Hill Road
Orchard Park, New York 14127
(716) 445-2105
nwohlabaugh@gmail.com

July 18, 2016

Leslie Sedita
Industrial Waste Administrator
Buffalo Sewer Authority
Foot of West Ferry
90 West ferry Street
Buffalo, New York 14213-1799

Phone: (716) 851-4664 ext 5250
Email: lsedita@sa.ci.buffalo.ny.us

RE: Buffalo Business Park Notice of Violation

Ms Sedita:

This correspondence is in response to the June 17th, 2016 Buffalo Sewer Authority (BSA) Notice of Violation letter that was received by Buffalo Business Park (BBP). Per the request of the BSA, BBP will conduct an internal investigation of the concentration of tetrachloroethylene. BBP will collect a confirmation sample of the groundwater that it is discharging to the BSA by August 15, 2016. The sample will be analyzed by a NYSDOH Certified Laboratory for volatile organic compounds using USEPA Method 624, which is the analytical method that was used by BSA.

Once the analytical results are received, BBP will provide those results to BSA. If tetrachloroethylene does not exceed BSA's daily maximum limit of 0.267 mg/L, then BBP will continue to discharge groundwater to the BSA using the present collect and discharge system. If the concentration of tetrachloroethylene exceeds BSA's daily maximum limit, BBP will proved a remedial action plan to BSA along with a schedule for implementation of the plan.

Please advise if this approach is acceptable to BSA.

Sincerely,

Norman K. Wohlabaugh
Norman K. Wohlabaugh PG, CPG
Geologist/President

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APPENDIX E

SUB-SLAB DEPRESSURIZATION CERTIFICATION FORM

Form A
Buffalo Business Park
Sub Slab Depressurization System Log Sheet

Date: 9/19/16 Time: 10:45 AM

Checked by: ANDREW TERRAGNOLI, P.E.

Vent #1
Power on: Y X N _____ If no provide reason:

_____

When was problem corrected? —

Fan operational: Y X N _____ If no provide reason:

—

When was problem corrected? —

Vent #2
Power on: Y X N _____ If no provide reason:

—

When was problem corrected? —

Fan operational: Y X N _____ If no provide reason:

_____

When was problem corrected? —