PERIODIC REVIEW REPORT

7503 NIAGARA FALLS BOULEVARD SITE
(BCP SITE NO. C932126)

NIAGARA FALLS, NEW YORK

July 2020 0101-013-001

Prepared for:

FX Net Lease Holdings, LLC

Prepared By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716)856-0599

PERIODIC REVIEW REPORT

7503 Niagara Falls Blvd Site

Table of Contents

FIGURES

APPENDICIES

1.0 INTRODUCTION

Benchmark Environmental Engineering and Science, PLLC (Benchmark), in association with TurnKey Environmental Restoration, LLC (TurnKey) has prepared this Periodic Review Report (PRR), on behalf of FX Net Lease Holdings, LLC (formerly GLR Holdings, LLC) to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C932126.

This PRR has been prepared for the 7503 Niagara Falls Boulevard Site in accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* The NYSDEC's auto-generated Institutional and Engineering Controls Certification Form has been completed for the Site (see Appendix A). This PRR and the associated inspections form has been completed for the June 30, 2017 to June 30, 2020 reporting period.

1.1 Site Information

The Site is located in the City of Niagara Falls, County of Niagara, New York, and formerly addressed at 7503 Niagara Falls Boulevard, Niagara Falls, New York. GLR Holdings, LLC entered the Site into the BCP and completed the investigation and remediation. GLR redeveloped the Site and two adjoining parcels (7543-7555 Niagara Falls Blvd) as a retail fast food restaurant (see Figures 1 and 2). The former 7543-7555 Niagara Falls Blvd parcel was not part of the BCP and is not subject to the Site Management Plan. The parcels were merged into one legal parcel addressed as 7515 Niagara Falls Blvd, but the BCP boundary remained the same (see Figure 2).

1.2 Remedial History

The 7503 Niagara Falls Boulevard Site encompasses approximately 0.9 acres of land which was redeveloped as part of a fast food restaurant (Wendy's). Based on the historical use of the site, soil/fill and groundwater were impacted with volatile organic compounds (VOCs) requiring cleanup. Interim Remedial Measures (IRMs) including in-situ groundwater treatment and excavation followed by off-site disposal of contaminated soil/fill were completed at the site. An active sub-slab depressurization system (ASD) system was installed in the newly constructed building and long-term groundwater monitoring is completed as part of the Site Management Plan (SMP).

1.3 Compliance

The Site is compliant with the Institutional Controls as stated in the SMP.

1.4 Recommendations

No modifications to the current SMP are recommended at this time.

The mailing address for the Volunteer has changed. Correspondence should be addressed to:

Mr. Dan Carducci
605 North High #245
Columbus OH 43215

2.0 SITE OVERVIEW

Beginning in the late 1960s and continuing through the mid-1990s, the Site was occupied by several commercial establishments. These included various restaurants, auto parts sales and auto repair facilities. The property was vacant since approximately 1998.

Prior to remediation, the Site was bounded by Niagara Falls Boulevard to the north, a vacant lot and former apartment buildings to the east, private residences to the south, and a commercial (fast-food restaurant) property to the west (i.e., 7403 Niagara Falls Blvd.). A concrete slab remnant from a former building foundation was present across the majority of the western portion of the property. The remainder of the Site was generally covered by asphalt.

Environmental site investigations were conducted at the Site between July 2004 and October 2005, and revealed the presence of certain halogenated volatile organic compounds (VOCs), including tetrachloroethene (PCE); trichloroethene (TCE); cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene (trans-1,2-DCE); vinyl chloride (VC); and 1,1,2-trichloroethane (1,1,2-TCA) in on-Site soil and groundwater.

In May 2006, a Brownfield Cleanup Agreement (BCA) was executed with the Department, and remedial efforts under the BCP began in June 2006 with the Remedial Investigation (RI). Based on the findings of the RI, Interim Remedial Measures (IRMs) were initiated in November 2006. Groundwater treatment utilizing in-situ enhanced bioremediation of impacted groundwater and saturated soils via direct injection of hydrogen releasing compounds (HRC®) into the impacted zones. HRC® is a specially formulated lactic acid-based compound developed by Regenesis Corporation for in-situ treatment of chlorinated VOC contamination in groundwater.

Excavation and off-site disposal of approximately 120 cubic yards (cy) of contaminated soil/fill, and backfilling of excavation with clean material was conducted during redevelopment activities. Remedial activities were completed in October 2007. The RI/AA/IRM report and SMP for the Site were approved by the Department in December 2007. The Certificate of Completion (COC) was issued for the Site in February 2008.

3.0 REMEDY PERFORMANCE

Post-remedial annual site inspections and long-term groundwater monitoring have been completed at the Site in accordance with the SMP since 2008. The Site inspection including a walk-over of the BCP Site to visually observe and document the use of the Site for Commercial Use, restriction of groundwater use, operation of the active subslab vapor extraction system, and conformance with the Site Management Plan (SMP). Annual site inspections and groundwater sampling were completed during the reporting period, and the controls were in-place and functioning during the inspection.

It should be noted that in September 2019 the Department completed a site inspection and noted that the ASD system vacuum gauge was not reading vacuum properly. TurnKey inspected the system and identified the vacuum gauge tubing has cracked. The vacuum gauge tubing was replaced and the ASD system was inspected and deemed operational.

The completed IC/EC Certification form and site photographs are included in Appendix A and Appendix B, respectively.

4.0 SITE MANAGEMENT PLAN

A SMP was prepared for the Site and approved by the Department in December 2007. The SMP includes an Operation, Monitoring and Maintenance Plan, a Soil/Fill Management Plan, and a copy of the Environmental Easements. A brief description of the components of the SMP is presented below.

4.1 Operation, Monitoring and Maintenance Plan

The Operation, Monitoring and Maintenance (OM&M) Plan consists of three major components, including the Active Sub-slab Depressurization System (ASD); the Long-Term Groundwater Monitoring (LTGWM) Plan; and the Annual Inspection & Certification Program.

4.1.1 Annual Inspection and Certification Program

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

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

Annual Site Inspections of the property were conducted by a Benchmark-TurnKey Qualified Environmental Professional (QEP) during the reporting period on July 26, 2018,

October 8, 2019, November 25, 2019, and June 30, 2020. At the time of the inspections, the property was being used as a retail fast food restaurant (Wendy's), with surface parking, paved walkways and landscaped areas. No observable indication of intrusive activities was noted during the Site Inspection. The restaurant is on municipal water supply, and no observable use of groundwater was noted during the site inspection.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photolog of the site inspections (2018 through 2020) is included in Appendix B.

4.1.2 Active Sub-slab Depressurization System

An ASD system was installed within the newly constructed fast food restaurant building during redevelopment. As required by the Department's approved SMP, the ASD system must: (1) be operated continuously to provide a negative pressure field; (2) be visually inspected periodically to verify proper operation; and (3) annually inspected and certified that the system is performing properly and remains an effective engineering control (EC).

The ASD system was assessed during the annual site inspection on the following dates: July 26, 2018, November 25, 2019 and June 30, 2020. The system was operating properly at the time of each annual site inspection with a vacuum reading of approximately 0.5 inches water column (WC) on the magnehelic vacuum gauge.

In September 2019, the Department completed a site inspection and identified that the ASD System monitoring device was not reading vacuum properly. In October 2020, TurnKey personnel inspected the system, replaced the cracked vacuum tubing and lightbulb, and rechecked the system to confirm operation.

Copies of the ASD visual inspection logs for this reporting periods are included in Appendix C.

4.1.3 Long-Term Groundwater Monitoring Plan

A Long-Term Groundwater Monitoring (LTGWM) Plan is required to monitor the effectiveness of the source area removals, treatment, and controls implemented in accordance with the Brownfield Cleanup Agreement.

Groundwater monitoring was completed on-Site on the following dates, including July 26, 2018, November 25, 2019, and June 30, 2020. Table 1 summarizes the long-term groundwater monitoring analytical data and a summary trend graph is provided in Figures. Laboratory analytical data packages are provided electronically in Appendix D.

4.2 Soil/Fill Management Plan

A Soil/Fill Management Plan (SFMP) was included in the approved-SMP for the Site. The SFMP provides guidelines for the management of soil and fill material during any future intrusive actives.

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

4.3 Engineering and Institutional Control Requirements and Compliance

As detailed in the Environmental Easements, several Institutional and Engineering Controls (IC/ECs) need to be maintained as a requirmement of the BCAs for the Site.

4.3.1 Institutional Controls

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

- Implementation of the SMP including the Groundwater Monitoring Plan, Soil/Fill Management Plan, and Monitoring Plan.

4.3.2 Engineering Controls – ASD System

During the 2017-2020 reporting period, the ASD system functioned in general accordance with the SMP, including repair of vacuum tubing and light bulb replacement. Annual inspections were completed, and monthly O&M logs are provided.

5.0 RECOMMENDATIONS AND CONCLUSIONS

Recommendations

- No modifications to the current SMP are recommended at this time.

The mailing address for the Volunteer has changed. Correspondence should be addressed to:

Mr. Dan Carducci
605 North High #245
Columbus OH 43215

Conclusions:

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

6.0 DECLARATION/LIMITATION

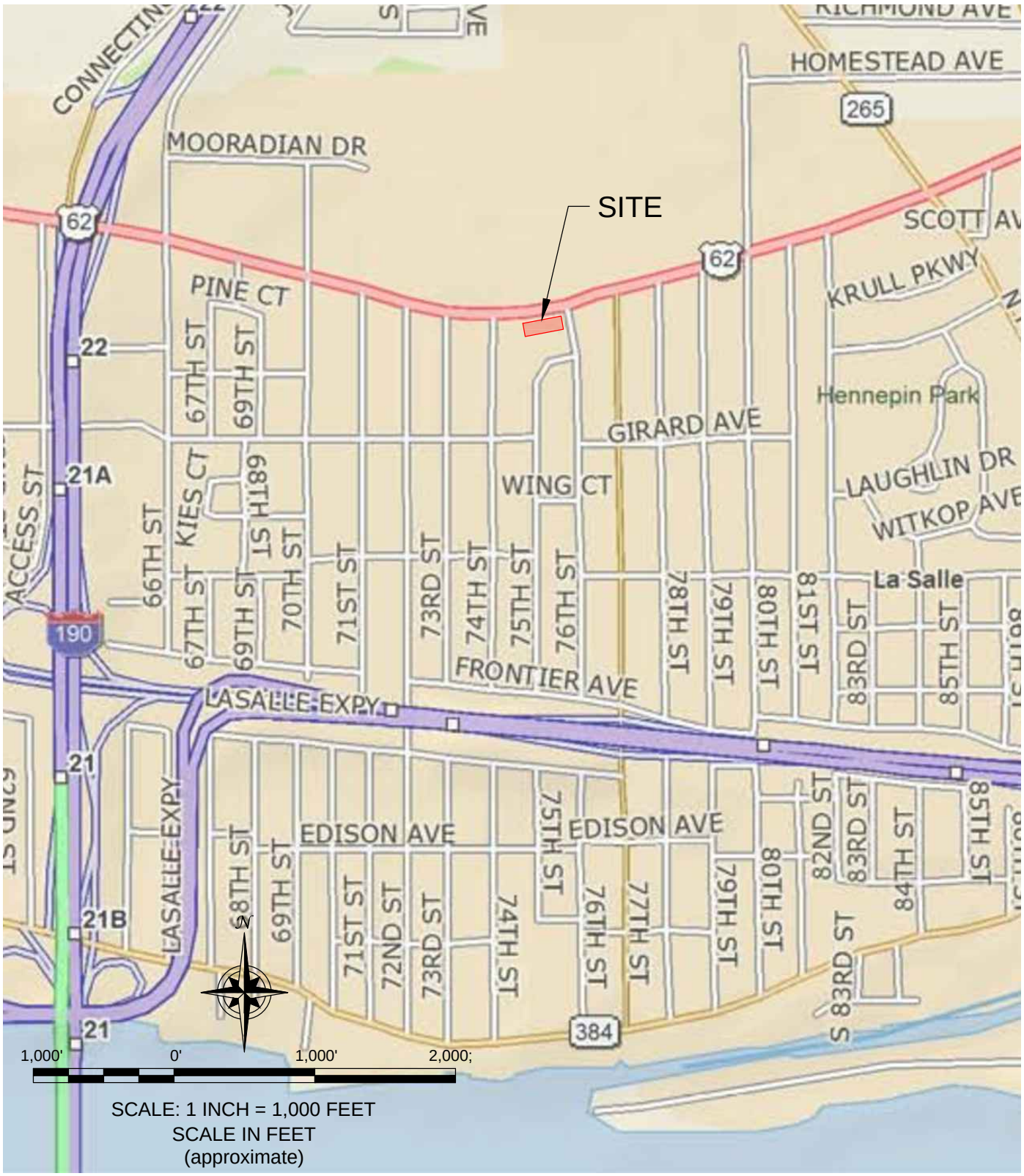
Benchmark Environmental Engineering and Science, PLLC, in association with TurnKey Environmental Restoration, LLC, conducted the annual site inspections for Brownfield Cleanup Program Site No. C932126, located in Niagara Falls, New York, according to generally accepted practices. This report complied with the scope of work provided to FX Net Lease Holdings, LLC (formerly GLR Holdings, LLC).

This report has been prepared for the exclusive use of FX Net Lease Holdings, LLC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of FX Net Lease Holdings, LLC (formerly GLR Holdings, LLC). Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering and Science, PLLC.

TABLES and FIGURES

F:\CAD\Benchmark\GLR Holdings - Wendy's\Periodic Review Report\2013\Figure 1; Site Location and Vicinity Map.dwg

FIGURE 1



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

PROJECT NO.: 0101-013-001

DATE: JUNE 2013

DRAFTED BY: JGT

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

7503 NIAGARA FALLS BOULEVARD SITE

NIAGARA FALLS, NEW YORK

PREPARED FOR

GLR HOLDINGS, LLC

F:\CAD\Benchmark\GLR Holdings - Wendy's\LTGWM\2012\Figure 2; Site Plan.dwg

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

PROJECT NO.: 0101-012-001

DATE: JULY 2012

DRAFTED BY: JGT

SITE PLAN

LONG-TERM GROUNDWATER MONITORING PLAN

7503 NIAGARA FALLS BOULEVARD SITE

NIAGARA FALLS, NEW YORK

PREPARED FOR

GLR HOLDINGS, LLC

FIGURE 2

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1

SUMMARY OF CHLORINATED VOCs GROUNDWATER ANALYTICAL DATA

Long Term Groundwater Monitoring
7503 Niagara Falls Boulevard Site

Parameter [1]	GWQS/GV [3]	MW-14 / MW-14R																	
		Baseline [2] (MW-14)	DEC 06 (MW-14)	JAN 07 (MW-14)	MAR 07 (MW-14)	JUN 07 (MW-14)	APR 08 (MW-14R)	MAY 09 (MW-14R)	APR 10 (MW-14R)	APR 11 (MW-14R)	JUN 12 (MW-14R)	JUN 13 (MW-14R)	JUN 14 (MW-14R)	JUN 15 (MW-14R)	JUL 16 (MW-14R)	JUN 17 (MW-14R)	JUL 18 (MW-14R)	NOV 19 (MW-14R)	JUNE 20 (MW-14R)
Vinyl chloride	2	910 D	380	150	320	540	150 D	ND	1600 D	1600 D	3800	3900	5300	2000	1200	2400	2400	3500 D	2100 D
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	1.4	1.1	ND	ND	ND	ND	ND	ND	0.96	ND	1
1,1-Dichloroethene	5	85 D	140	21 J	21 J	60 J	3.9 J	ND	22	11	26 J	30 J	20 J	17	12	22	21	22	20
Benzene	1	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53	ND	0.45 J
Acetone	50	2 J	ND	ND	16 J	49 J	11	34	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND
Trichloroethene	5	540 D	1500	300	150	330	10	ND	3.4	3.2	ND	ND	ND	ND	4.3 J	19	8.7	11	9.1
Tetrachloroethene	5	640	480	120	98	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	1300 D	520	240	500	1500	30	ND	110 D	44	100	120 J	64 J	22 J	15 J	58	42	38	42
cis-1,2-Dichloroethene	5	1100 D	570	220	370	850	310 D	ND	1200 D	930 D	2500	2700	2700	1400	920	1700	1400	1800	1500 D
Total cVOCs	NA	4578	3590	1051	1475	3364	515	ND	2937	2589	6426	6750	8084	3439	2151	4199	3876	5371	3673

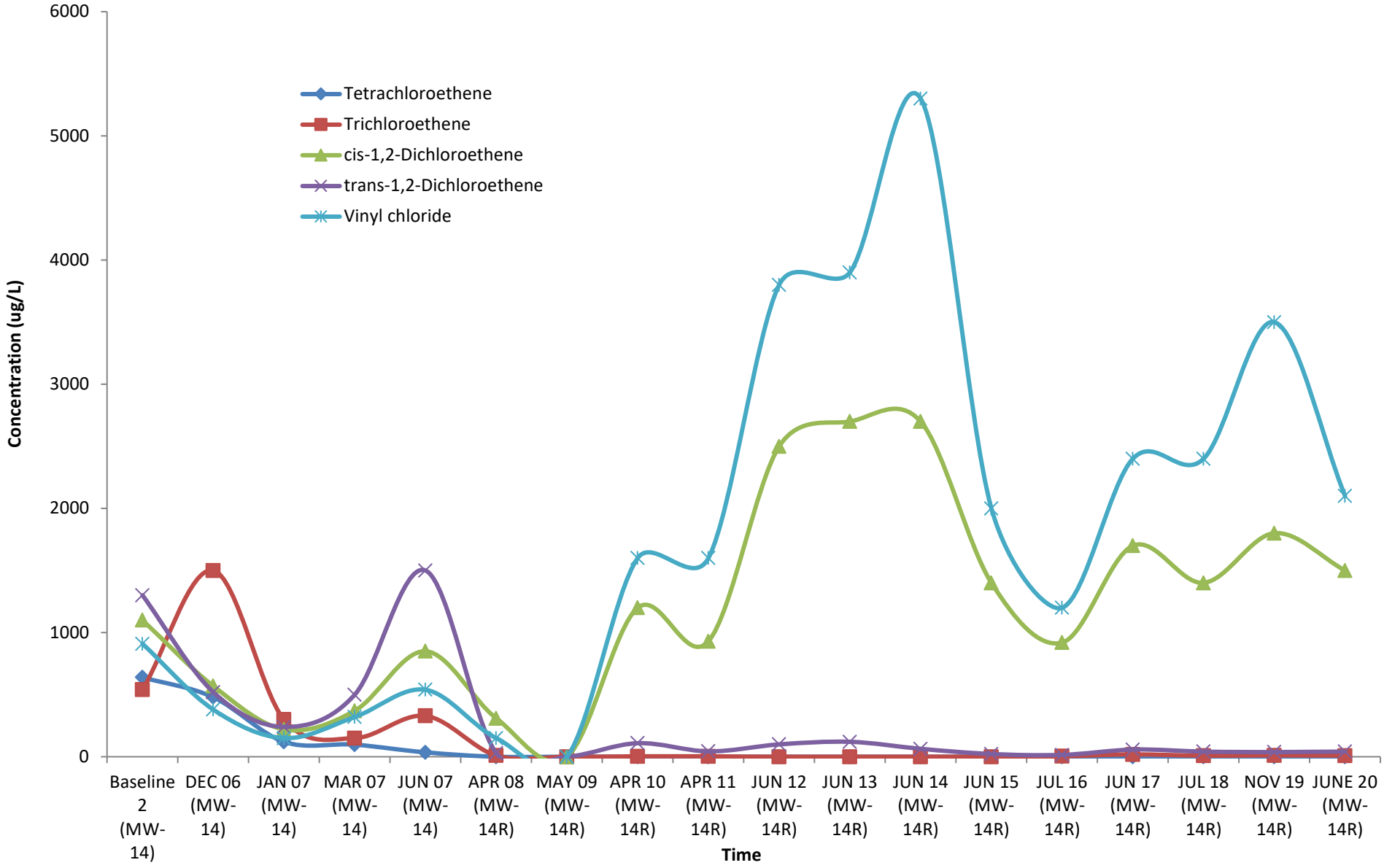
Notes:

1. Only chlorinated volatile organic compounds (cVOCs) are shown.
2. Baseline concentrations were collected in June 2006. Hydrogen Release Compound (HRC) injection was completed in November 2006.
3. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
4. Concentrations are in micrograms per liter (ug/L).

Definitions:

J = Estimated value; result is less than the sample quantitation limit but greater than zero.
D = Diluted sample result.
ND = parameter not detected above laboratory detection limit.
NA = Not Applicable

GLR Holdings Site
MW-14/MW-14R



APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM

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

Site Details **Box 1**

Site No. **C932126**

Site Name 7503 Niagara Falls Blvd.

Site Address: 7515 Niagara Falls Blvd Zip Code: 14302
City/Town: Niagara Falls
County: Niagara
Site Acreage: 0.890

Reporting Period: ~~May 18, 2017 to May 18, 2020~~
June 30, 2017 - June 30, 2020

	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

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C932126 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
160.12-2-5	FX Net Lease Holdings, LLC	Site Management Plan Monitoring Plan O&M Plan Ground Water Use Restriction Landuse Restriction

Institutional Controls: The following controls apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property:

A. The Controlled Property may be used for commercial or industrial use as long as the following long-term engineering controls are employed:

1. Excavations below site cover materials must be performed in accordance with applicable provisions of the Soil Fill Management section(s) of the 7503 Niagara Falls Blvd. Site Management Plan, dated October 2007 ("SMP") (or subsequent revisions thereof). Soil and fill below the cover materials must be handled and disposed in accordance with the SIVIP. Soil and fill material from off-site sources which is proposed for use as backfill must meet applicable provisions of the SMP.

2. Site groundwater quality will be periodically monitored according to the provisions of the Groundwater Monitoring Program section(s) of the SMP. The groundwater monitoring well(s) will be maintained and sampled, and the data reported in accordance with the provisions of the SMP.

The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved SMP dated October 2007. The SMP describes obligations that Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. Upon notice of not less than thirty (30) days the Department in exercise of its discretion and consistent with applicable law may revise the SMP. This notice shall be a final agency determination. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer
Region 9
NYSDEC
270 Michigan Avenue
Buffalo, NY 14203-2999

or

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

B. The Controlled Property may not be used for a higher level of use such as unrestricted, residential, or restricted residential use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

D. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by

reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

E. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
160.12-2-5	Vapor Mitigation Monitoring Wells

1. Site surfaces will be constructed and maintained appropriately to prevent contact with potentially contaminated soils or groundwater. Various site cover materials (stone, concrete, asphalt pavement, vegetated soil, landscaping, etc) may function as a barrier to prevent human contact with contaminated site soils or groundwater.

2. An active sub-slab depressurization (ASD) system under the building floor controls potential releases of contaminated soil vapors into the building indoor air. This ASD system will be tested, and as long as the building is occupied (or as otherwise directed by the New York State Departments of Environmental Conservation and Health), will be continuously operated and maintained in accordance with the provisions of the SMP.

As required by the Department approved SMP, the ASD system must: (1) be operated continuously to provide a negative pressure field; (2) be visually inspected periodically to verify proper operation; (3) annually inspected and certified that the system is performing properly and remains an effective engineering control(EC).

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. C932126

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 Dan Cardocci (print name) at 180 Canal View Blvd St 600 Rochester NY 14623 (print business address)

am certifying as Owner (Owner or Remedial Party)

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

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

8/3/2020
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 Thomas Forbes, P.E. at Benchmark Environmental Engineering 2559 Hamburg TPK. Buffalo NY 14218.

print name — print business address

am certifying as a Qualified Environmental Professional for the Owner

(Owner or Remedial Party)

STATE OF NEW YORK THOMAS H. FORBES 070950-1 LICENSED PROFESSIONAL ENGINEER (Required for PE) Stamp

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

8-31-20

Date

APPENDIX B

SITE PHOTOLOG

SITE PHOTOGRAPHS

July 26th, 2018

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: East face of building (Looking West).

Photo 2: Southeast side of property (Looking Northwest).

Photo 3: East side of building (Looking West).

Photo 4: West side of property (Looking East).

0101-013-001

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

SITE PHOTOGRAPHS

July 26th, 2018

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: ASD System inspection.

Photo 6:

Photo 7:

0101-013-001

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

SITE PHOTOGRAPHS

October 8th & November 25th 2019

Photo 1:

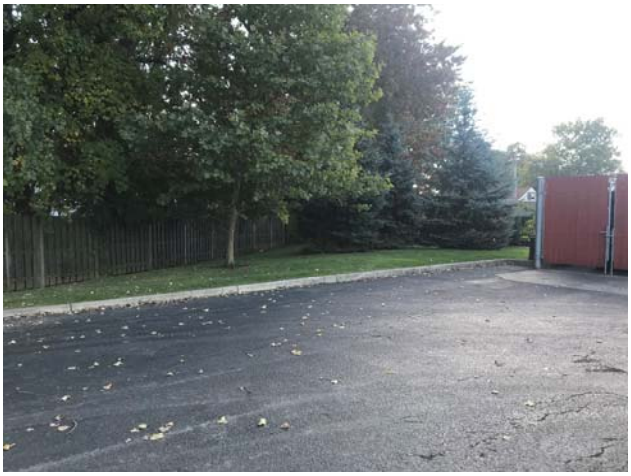


Photo 2:

Photo 3:

Photo 4:

Photo 1: Parking lot and green space south west corner of site. (Looking Southwest).

Photo 2: Parking lot south side of building (Looking East).

Photo 3: Parking lot and greenspace east side of building (Looking Northeast).

Photo 4: Parking lot north side of building. (Looking West).

0101-013-001

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

SITE PHOTOGRAPHS

October 8th & November 25th 2019

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: Offsite work performed on Niagara Fall Blvd. (looking west)..

Photo 6: ASD magnehelic gauge.

Photo 7: ASD magnehelic gauge reading 0.50 inches of water.

0101-013-001

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

SITE PHOTOGRAPHS

June 30th, 2020

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: South side parking lot (Looking West).

Photo 2: South of building greenspace. (Looking North).

Photo 3. North side parking lot. (Looking West).

Photo 4: Greenspace area east side of building. (Looking East).

0101-013-001

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

SITE PHOTOGRAPHS

June 30th, 2020

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: ASD piping and magnehelic gauge.

Photo 6: Magnehelic gauge reading 0.50 in of water.

Photo 7:

0101-013-001

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

APPENDIX C

ASD VISUAL INSPECTION LOGS

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Periodic Review Report
Annual Site Inspection

Property Name: 7503 Niagara Falls Blvd Project No.: 0101-013-001
Client: FX Net lease Holdings
Property Address: 7503 Niagara Falls Blvd, Niagara Falls NY
BCP Site No.: C932126 PRR Due Date: July 2020
Preparer's Name: Tom Behrendt Date/Time: 6/30/20 1015

CERTIFICATION

The results of this inspection were discussed with the Site Manager. Any corrective actions required have been identified and noted in this report, and a supplemental Corrective Action Form has been completed. Proper implementation of these corrective actions have been discussed with the Site Manager, agreed upon, and scheduled.

Preparer / Inspector: Thomas A Behrendt **Date:** 6/30/20
Signature:
Next Scheduled Site Inspection Date: June/July 2021

Property Access

1. Is the access road in need of repair?	☐ yes	☒ no	☐ N/A
2. Sufficient signage posted (No Trespassing)?	☐ yes	☐ no	☒ N/A
3. Has there been any noted or reported trespassing?	☐ yes	☐ no	☒ N/A

Please note any irregularities/ changes in site access and security:

Final Surface Cover / Vegetation

The integrity of the vegetative soil cover or other surface coverage (e.g., asphalt, concrete) over the entire Site must be maintained. The following documents the condition of the above.

1. Final Cover is in Place and in good condition?	☒ yes	☐ no	☐ N/A
Cover consists of (mainly):			
2. Evidence of erosion?	☐ yes	☒ no	☐ N/A
3. Cracks visible in pavement?	☐ yes	☒ no	☐ N/A
4. Evidence of distressed vegetation/turf?	☐ yes	☒ no	☐ N/A
5. Evidence of unintended traffic and/or rutting?	☐ yes	☒ no	☐ N/A

6. Evidence of uneven settlement and/or ponding? ☐ yes ☒ no ☐ N/A

Final Surface Cover / Vegetation (continued)

7. Damage to any surface coverage? ☐ yes ☒ no ☐ N/A

If yes to any question above, please provide more information below.

Soil Vapor Extraction System (SVE)

Is the system(s) currently running? ☐ yes ☐ no ☒ N/A

Has regular maintenance and monitoring been documented and enclosed or referenced? ☐ yes ☐ no ☒ N/A

Active Sub-Slab Depressurization System (ASD)

Are there one or more ASD systems currently running at the Site? ☒ yes ☐ no ☐ N/A

System No. 1 Reading: 0.50

System No. ____ Reading: ____

Has regular maintenance and monitoring been documented and enclosed or referenced? ☒ yes ☐ no ☐ N/A

Groundwater Monitoring

Is there a plan in place and currently being followed? ☒ yes ☐ no ☐ N/A

Are the wells currently intact and operational? ☒ yes ☐ no ☐ N/A

When was the most recent sampling event report and submittal? Date: Nov 2019

When is the next projected sampling event? Date: Jun / July 2021

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

Periodic Review Report
Annual Site Inspection

Property Use Changes / Site Development

Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during the reporting period? ☐ yes ☒ no ☐ N/A

Has the property usage changed, or site been redeveloped since the last inspection? ☐ yes ☒ no ☐ N/A

If yes, please list with date:

New Information

Has any new information been brought to the owner/engineer's attention regarding any and/or all engineering and institutional controls and their operation and effectiveness? ☐ yes ☒ no ☐ N/A

Comments:

Notes and Comments:

Tubing + light bulb are changed at Time of Inspection.

Please attach the following, if applicable:

1. Site sketch
2. Photographs
3. Monitoring and maintenance records
4. Corrective Action Form

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Periodic Review Report
Annual Site Inspection

Property Name: 7503 Niagara Falls Blvd Project No.: 0101-013-001

Client: FX Net Lease holdings

Property Address: 7503 Niagara Falls Blvd

BCP Site No.: C9 32126 PRR Due Date: July 2020

Preparer's Name: Thomas A Bell Date/Time: 7/26/18 1215

CERTIFICATION

The results of this inspection were discussed with the Site Manager. Any corrective actions required have been identified and noted in this report, and a supplemental Corrective Action Form has been completed. Proper implementation of these corrective actions have been discussed with the Site Manager, agreed upon, and scheduled.

Preparer / Inspector: Thomas A Bell **Date:**

Signature:

Next Scheduled Site Inspection Date: June/July 2019

Property Access

1. Is the access road in need of repair?	☐ yes	☒ no	☐ N/A
2. Sufficient signage posted (No Trespassing)?	☐ yes	☒ no	☐ N/A
3. Has there been any noted or reported trespassing?	☐ yes	☒ no	☐ N/A

Please note any irregularities/ changes in site access and security:

Final Surface Cover / Vegetation

The integrity of the vegetative soil cover or other surface coverage (e.g., asphalt, concrete) over the entire Site must be maintained. The following documents the condition of the above.

1. Final Cover is in Place and in good condition?	☒ yes	☐ no	☐ N/A
Cover consists of (mainly):			
2. Evidence of erosion?	☐ yes	☒ no	☐ N/A
3. Cracks visible in pavement?	☐ yes	☒ no	☐ N/A
4. Evidence of distressed vegetation/turf?	☐ yes	☒ no	☐ N/A
5. Evidence of unintended traffic and/or rutting?	☐ yes	☒ no	☐ N/A

6. Evidence of uneven settlement and/or ponding? ☐ yes ☒ no ☐ N/A

Final Surface Cover / Vegetation (continued)

7. Damage to any surface coverage? ☐ yes ☒ no ☐ N/A

If yes to any question above, please provide more information below.

Soil Vapor Extraction System (SVE)

Is the system(s) currently running? ☐ yes ☐ no ☒ N/A

Has regular maintenance and monitoring been documented and enclosed or referenced? ☐ yes ☐ no ☒ N/A

Active Sub-Slab Depressurization System (ASD)

Are there one or more ASD systems currently running at the Site? ☒ yes ☐ no ☐ N/A

System No. 1 Reading: 0.50

System No. ____ Reading: ____

Has regular maintenance and monitoring been documented and enclosed or referenced? ☒ yes ☐ no ☐ N/A

Groundwater Monitoring

Is there a plan in place and currently being followed? ☒ yes ☐ no ☐ N/A

Are the wells currently intact and operational? ☒ yes ☐ no ☐ N/A

When was the most recent sampling event report and submittal? Date: June 2017

When is the next projected sampling event? Date: June/July 201

Property Use Changes / Site Development

Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during the reporting period? ☐ yes ☒ no ☐ N/A

Has the property usage changed, or site been redeveloped since the last inspection? ☐ yes ☒ no ☐ N/A

If yes, please list with date:

New Information

Has any new information been brought to the owner/engineer's attention regarding any and/or all engineering and institutional controls and their operation and effectiveness? ☐ yes ☒ no ☐ N/A

Comments:

Notes and Comments:

Please attach the following, if applicable:

1. Site sketch
2. Photographs
3. Monitoring and maintenance records
4. Corrective Action Form

GLR Holdings - Wendys (C932126)
ASD System Inspection Log

2014

Date	Time	Inspector's Initials	ASD-1 (in.WC)
1/26/14			
2/23/14			
3/30/14	9:15	DC	.5
4/27/14	9:05	DC	.45
5/25/14	9:30	DC	.5
6/29/14	9:20	DC	.5
7/27/14	9:40	DC	.47
8/31/14	9:20	DC	.48
9/28/14	9:30	DC	.5
10/26/14	9:15	DC	.45
11/30/14	9:17	DC	.5
12/24/14	9:30	DC	.45

Notes:

Date	

GLR Holdings - Wendys (C932126) 2019
ASD System Inspection Log

Date	Time	Inspector's Initials	ASD-1 (in.WC)
1/22/19	9:30	DL	.47
2/22/19	9:20	DL	.5
3/29/19	9:30	DL	.45
4/26/19	9:20	DL	.6
5/24/19	9:40	DL	.5
6/21/19	9:30	DL	.47
7/26/19	9:20	DL	.46
8/30/19	9:30	DL	.5
9/27/19	9:40	DL	.47
10/25/19	9:30	DL	.5
11/29/19	9:40	DL	.47
12/20/19	9:30	DL	.5

Notes:

Date	

GLR Holdings - Wendys (C932126)
ASD System Inspection Log

2020

Date	Time	Inspector's Initials	ASD-1 (in.WC)
1/31/20	9:45	DL	.5
2/24/20	9:30	DL	.46
3/27/20	9:40	DL	.49
4/24/20	9:30	DL	.5
5/29/20	9:40	DL	.49
6/26/20	9:30	DL	.5
7/31/20	9:40	DL	.49

Notes:

Date	

APPENDIX D

LABORATORY ANALYTICAL DATA PACKAGES

ANALYTICAL REPORT

Lab Number:	L1828807
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 225-3314
Project Name:	GLR GWM
Project Number:	0101-013-100
Report Date:	08/07/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1828807-01	MW-14R	WATER	NIAGARA FALLS	07/26/18 11:21	07/26/18

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GLR GWM	**Lab Number:**	L1828807
Project Number:	0101-013-100	**Report Date:**	08/07/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1828807-01: The sample was analyzed undiluted in an effort to obtain lower reporting limits; however, please note that the analysis was performed utilizing a compromised vial.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 08/07/18

ORGANICS

VOLATILES

Project Name: GLR GWM
Project Number: 0101-013-100
Lab Number: L1828807
Report Date: 08/07/18

SAMPLE RESULTS

Lab ID: L1828807-01
Client ID: MW-14R
Sample Location: NIAGARA FALLS
Date Collected: 07/26/18 11:21
Date Received: 07/26/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/07/18 00:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.96		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.53		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1600	E	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	21		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	42		ug/l	2.5	0.70	1
Trichloroethene	8.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GLR GWM
Lab Number: L1828807
Project Number: 0101-013-100
Report Date: 08/07/18

SAMPLE RESULTS

Lab ID: L1828807-01
Client ID: MW-14R
Sample Location: NIAGARA FALLS

Date Collected: 07/26/18 11:21
Date Received: 07/26/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1300	E	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: GLR GWM
Project Number: 0101-013-100
Lab Number: L1828807
Report Date: 08/07/18

SAMPLE RESULTS

Lab ID: L1828807-01 D2
Client ID: MW-14R
Sample Location: NIAGARA FALLS

Date Collected: 07/26/18 11:21
Date Received: 07/26/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/01/18 13:35
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	2400		ug/l	25	1.8	25
cis-1,2-Dichloroethene	1400		ug/l	62	18.	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	99		70-130

Project Name: GLR GWM
Project Number: 0101-013-100
Lab Number: L1828807
Report Date: 08/07/18

SAMPLE RESULTS

Lab ID: L1828807-01 D
Client ID: MW-14R
Sample Location: NIAGARA FALLS

Date Collected: 07/26/18 11:21
Date Received: 07/26/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/31/18 19:26
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	1.0	J	ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	2800	E	ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	21		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	38		ug/l	12	3.5	5
Trichloroethene	10		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: GLR GWM **Lab Number:** L1828807

Project Number: 0101-013-100 **Report Date:** 08/07/18

SAMPLE RESULTS

Lab ID: L1828807-01 D
Client ID: MW-14R
Sample Location: NIAGARA FALLS

Date Collected: 07/26/18 11:21
Date Received: 07/26/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	1500	E	ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	1.2	J	ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/18 08:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1141450-12					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/18 08:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1141450-12					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	1.4
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.44
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/18 08:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1141450-12					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	61.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/18 08:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1141450-12					
Iodomethane	ND		ug/l	5.0	0.40
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	99		70-130

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/18 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1141450-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/18 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1141450-5					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	1.4
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.44
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/18 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1141450-5					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	61.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/18 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1141450-5					
Iodomethane	ND		ug/l	5.0	0.40
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	99		70-130

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/18 21:01
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1143627-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/18 21:01
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1143627-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/18 21:01
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1143627-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-10 WG1141450-11								
Methylene chloride	85		90		70-130	6		20
1,1-Dichloroethane	89		94		70-130	5		20
Chloroform	87		92		70-130	6		20
2-Chloroethylvinyl ether	**60**	Q	**64**	Q	70-130	6		20
Carbon tetrachloride	82		87		63-132	6		20
1,2-Dichloropropane	86		91		70-130	6		20
Dibromochloromethane	81		84		63-130	4		20
1,1,2-Trichloroethane	85		88		70-130	3		20
Tetrachloroethene	83		85		70-130	2		20
Chlorobenzene	87		91		75-130	4		20
Trichlorofluoromethane	87		93		62-150	7		20
1,2-Dichloroethane	93		98		70-130	5		20
1,1,1-Trichloroethane	88		92		67-130	4		20
Bromodichloromethane	86		90		67-130	5		20
trans-1,3-Dichloropropene	87		91		70-130	4		20
cis-1,3-Dichloropropene	84		87		70-130	4		20
1,1-Dichloropropene	86		91		70-130	6		20
Bromoform	79		80		54-136	1		20
1,1,2,2-Tetrachloroethane	85		89		67-130	5		20
Benzene	85		90		70-130	6		20
Toluene	89		93		70-130	4		20
Ethylbenzene	91		93		70-130	2		20
Chloromethane	84		90		64-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GLR GWM

Project Number: 0101-013-100

Lab Number: L1828807

Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-10 WG1141450-11								
Bromomethane	61		66		39-139	8		20
Vinyl chloride	100		110		55-140	10		20
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	81		86		61-145	6		20
trans-1,2-Dichloroethene	81		87		70-130	7		20
Trichloroethene	86		90		70-130	5		20
1,2-Dichlorobenzene	86		88		70-130	2		20
1,3-Dichlorobenzene	88		89		70-130	1		20
1,4-Dichlorobenzene	87		88		70-130	1		20
Methyl tert butyl ether	84		89		63-130	6		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	82		86		70-130	5		20
Dibromomethane	83		88		70-130	6		20
1,2,3-Trichloropropane	98		100		64-130	2		20
Acrylonitrile	83		86		70-130	4		20
Isopropyl Ether	91		98		70-130	7		20
tert-Butyl Alcohol	102		110		70-130	8		20
Styrene	85		90		70-130	6		20
Dichlorodifluoromethane	99		110		36-147	11		20
Acetone	100		98		58-148	2		20
Carbon disulfide	88		92		51-130	4		20
2-Butanone	85		84		63-138	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-10 WG1141450-11								
Vinyl acetate	88		91		70-130	3		20
4-Methyl-2-pentanone	86		88		59-130	2		20
2-Hexanone	80		80		57-130	0		20
Acrolein	73		74		40-160	1		20
Bromochloromethane	82		87		70-130	6		20
2,2-Dichloropropane	93		98		63-133	5		20
1,2-Dibromoethane	83		86		70-130	4		20
1,3-Dichloropropane	86		91		70-130	6		20
1,1,1,2-Tetrachloroethane	84		87		64-130	4		20
Bromobenzene	84		87		70-130	4		20
n-Butylbenzene	100		99		53-136	1		20
sec-Butylbenzene	95		95		70-130	0		20
tert-Butylbenzene	94		95		70-130	1		20
o-Chlorotoluene	96		100		70-130	4		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	74		77		41-144	4		20
Hexachlorobutadiene	94		91		63-130	3		20
Isopropylbenzene	95		96		70-130	1		20
p-Isopropyltoluene	98		97		70-130	1		20
Naphthalene	78		78		70-130	0		20
n-Propylbenzene	99		99		69-130	0		20
1,2,3-Trichlorobenzene	74		78		70-130	5		20
1,2,4-Trichlorobenzene	80		81		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GLR GWM

Project Number: 0101-013-100

Lab Number: L1828807

Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-10 WG1141450-11								
1,3,5-Trimethylbenzene	98		98		64-130	0		20
1,2,4-Trimethylbenzene	97		99		70-130	2		20
Methyl Acetate	84		87		70-130	4		20
Ethyl Acetate	82		84		70-130	2		20
Cyclohexane	85		90		70-130	6		20
Ethyl-Tert-Butyl-Ether	88		94		70-130	7		20
Tertiary-Amyl Methyl Ether	82		87		66-130	6		20
1,4-Dioxane	86		104		56-162	19		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	80		85		70-130	6		20
1,4-Diethylbenzene	98		96		70-130	2		20
4-Ethyltoluene	96		98		70-130	2		20
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		20
Tetrahydrofuran	84		84		58-130	0		20
Ethyl ether	84		88		59-134	5		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20
Iodomethane	**11**	Q	**21**	Q	70-130	**63**	Q	20
Methyl cyclohexane	80		84		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-10 WG1141450-11								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		114		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	111		110		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-3 WG1141450-4								
Methylene chloride	86		92		70-130	7		20
1,1-Dichloroethane	89		96		70-130	8		20
Chloroform	86		92		70-130	7		20
2-Chloroethylvinyl ether	**65**	Q	71		70-130	9		20
Carbon tetrachloride	86		93		63-132	8		20
1,2-Dichloropropane	86		92		70-130	7		20
Dibromochloromethane	80		87		63-130	8		20
1,1,2-Trichloroethane	85		92		70-130	8		20
Tetrachloroethene	85		92		70-130	8		20
Chlorobenzene	87		93		75-130	7		20
Trichlorofluoromethane	93		100		62-150	7		20
1,2-Dichloroethane	93		99		70-130	6		20
1,1,1-Trichloroethane	90		96		67-130	6		20
Bromodichloromethane	88		93		67-130	6		20
trans-1,3-Dichloropropene	87		94		70-130	8		20
cis-1,3-Dichloropropene	84		89		70-130	6		20
1,1-Dichloropropene	89		96		70-130	8		20
Bromoform	78		83		54-136	6		20
1,1,2,2-Tetrachloroethane	86		92		67-130	7		20
Benzene	84		91		70-130	8		20
Toluene	89		96		70-130	8		20
Ethylbenzene	91		97		70-130	6		20
Chloromethane	84		90		64-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-3 WG1141450-4								
Bromomethane	56		68		39-139	19		20
Vinyl chloride	100		110		55-140	10		20
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	82		90		61-145	9		20
trans-1,2-Dichloroethene	81		89		70-130	9		20
Trichloroethene	86		93		70-130	8		20
1,2-Dichlorobenzene	85		90		70-130	6		20
1,3-Dichlorobenzene	88		93		70-130	6		20
1,4-Dichlorobenzene	86		91		70-130	6		20
Methyl tert butyl ether	83		90		63-130	8		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	79		86		70-130	8		20
Dibromomethane	84		89		70-130	6		20
1,2,3-Trichloropropane	96		100		64-130	4		20
Acrylonitrile	81		90		70-130	11		20
Isopropyl Ether	90		98		70-130	9		20
tert-Butyl Alcohol	94		102		70-130	8		20
Styrene	85		90		70-130	6		20
Dichlorodifluoromethane	110		120		36-147	9		20
Acetone	120		100		58-148	18		20
Carbon disulfide	91		96		51-130	5		20
2-Butanone	82		92		63-138	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-3 WG1141450-4								
Vinyl acetate	87		95		70-130	9		20
4-Methyl-2-pentanone	84		91		59-130	8		20
2-Hexanone	76		83		57-130	9		20
Acrolein	73		73		40-160	0		20
Bromochloromethane	82		87		70-130	6		20
2,2-Dichloropropane	95		100		63-133	5		20
1,2-Dibromoethane	83		88		70-130	6		20
1,3-Dichloropropane	86		94		70-130	9		20
1,1,1,2-Tetrachloroethane	84		90		64-130	7		20
Bromobenzene	84		89		70-130	6		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	98		100		70-130	2		20
tert-Butylbenzene	97		100		70-130	3		20
o-Chlorotoluene	98		100		70-130	2		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	73		81		41-144	10		20
Hexachlorobutadiene	90		96		63-130	6		20
Isopropylbenzene	96		100		70-130	4		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	74		81		70-130	9		20
n-Propylbenzene	99		100		69-130	1		20
1,2,3-Trichlorobenzene	71		80		70-130	12		20
1,2,4-Trichlorobenzene	78		85		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-3 WG1141450-4								
1,3,5-Trimethylbenzene	97		100		64-130	3		20
1,2,4-Trimethylbenzene	99		100		70-130	1		20
Methyl Acetate	82		89		70-130	8		20
Ethyl Acetate	82		87		70-130	6		20
Cyclohexane	93		100		70-130	7		20
Ethyl-Tert-Butyl-Ether	87		94		70-130	8		20
Tertiary-Amyl Methyl Ether	79		87		66-130	10		20
1,4-Dioxane	80		96		56-162	18		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	88		96		70-130	9		20
1,4-Diethylbenzene	99		100		70-130	1		20
4-Ethyltoluene	97		100		70-130	3		20
1,2,4,5-Tetramethylbenzene	92		97		70-130	5		20
Tetrahydrofuran	85		88		58-130	3		20
Ethyl ether	83		90		59-134	8		20
trans-1,4-Dichloro-2-butene	98		110		70-130	12		20
Iodomethane	**10**	Q	**20**	Q	70-130	**67**	Q	20
Methyl cyclohexane	88		96		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GLR GWM

Project Number: 0101-013-100

Lab Number: L1828807

Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1141450-3 WG1141450-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		109		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	111		111		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1143627-3 WG1143627-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	91		93		70-130	2		20
Chloroform	92		94		70-130	2		20
Carbon tetrachloride	85		87		63-132	2		20
1,2-Dichloropropane	94		94		70-130	0		20
Dibromochloromethane	86		88		63-130	2		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	81		82		70-130	1		20
Chlorobenzene	91		91		75-130	0		20
Trichlorofluoromethane	88		92		62-150	4		20
1,2-Dichloroethane	98		99		70-130	1		20
1,1,1-Trichloroethane	86		90		67-130	5		20
Bromodichloromethane	94		94		67-130	0		20
trans-1,3-Dichloropropene	94		93		70-130	1		20
cis-1,3-Dichloropropene	93		94		70-130	1		20
Bromoform	88		89		54-136	1		20
1,1,2,2-Tetrachloroethane	99		100		67-130	1		20
Benzene	87		89		70-130	2		20
Toluene	88		89		70-130	1		20
Ethylbenzene	88		88		70-130	0		20
Chloromethane	71		72		64-130	1		20
Bromomethane	52		62		39-139	18		20
Vinyl chloride	78		81		55-140	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1143627-3 WG1143627-4								
Chloroethane	80		84		55-138	5		20
1,1-Dichloroethene	81		84		61-145	4		20
trans-1,2-Dichloroethene	82		85		70-130	4		20
Trichloroethene	83		83		70-130	0		20
1,2-Dichlorobenzene	93		93		70-130	0		20
1,3-Dichlorobenzene	92		90		70-130	2		20
1,4-Dichlorobenzene	94		92		70-130	2		20
Methyl tert butyl ether	93		94		63-130	1		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	89		89		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	51		54		36-147	6		20
Acetone	120		120		58-148	0		20
Carbon disulfide	81		84		51-130	4		20
2-Butanone	96		99		63-138	3		20
4-Methyl-2-pentanone	94		96		59-130	2		20
2-Hexanone	88		90		57-130	2		20
Bromochloromethane	96		97		70-130	1		20
1,2-Dibromoethane	90		90		70-130	0		20
1,2-Dibromo-3-chloropropane	85		90		41-144	6		20
Isopropylbenzene	81		82		70-130	1		20
1,2,3-Trichlorobenzene	88		88		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1143627-3 WG1143627-4								
1,2,4-Trichlorobenzene	85		86		70-130	1		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	80		86		70-130	7		20
1,4-Dioxane	124		132		56-162	6		20
Freon-113	83		87		70-130	5		20
Methyl cyclohexane	73		77		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		111		70-130
Toluene-d8	104		102		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	105		107		70-130

Project Name: GLR GWM
Project Number: 0101-013-100

Lab Number: L1828807
Report Date: 08/07/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1828807-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L1828807-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L1828807-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	GLR GWM	**Lab Number:**	L1828807
Project Number:	0101-013-100	**Report Date:**	08/07/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GLR GWM	**Lab Number:**	L1828807
Project Number:	0101-013-100	**Report Date:**	08/07/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GLR GWM	**Lab Number:**	L1828807
Project Number:	0101-013-100	**Report Date:**	08/07/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:08071814:16

ALPHA

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Date Rec'd in Lab: 7/26/18

ALPHA Job #: L1828807

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: GLR GWM
Project Location: Niagara Falls
Project #
(Use Project name as Project #) ☐
Project Manager: Nate Munley
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information

Client: Benchmark
Address: 2558 Hamburg Turnpike
Lackawanna NY 14218
Phone: (716) 818-8358
Fax: (716) 856-0635
Email: TBehrendt@Turnkeyllc.com

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC 8260								Sample Specific Comments	Total Bottles
28807-01	MW-14R	7/26/18	1121	Water	TAB	3									3

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A
Preservative	B

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/26/18 1240	[signature] AAL	7/26/18 1240
		[signature]	7/27/18 0045

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1956778
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 225-3314
Project Name:	7503 NIAGARA FALLS BLVD GWM
Project Number:	B0101-013-001-007
Report Date:	12/04/19

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 7503 NIAGARA FALLS BLVD GWM
Project Number: B0101-013-001-007

Lab Number: L1956778
Report Date: 12/04/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1956778-01	MW-14R	WATER	NIAGARA FALLS	11/25/19 15:05	11/25/19

Project Name:	7503 NIAGARA FALLS BLVD GWM	**Lab Number:**	L1956778
Project Number:	B0101-013-001-007	**Report Date:**	12/04/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	7503 NIAGARA FALLS BLVD GWM	**Lab Number:**	L1956778
Project Number:	B0101-013-001-007	**Report Date:**	12/04/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 12/04/19

ORGANICS

VOLATILES

Project Name: 7503 NIAGARA FALLS BLVD GWM
Lab Number: L1956778
Project Number: B0101-013-001-007
Report Date: 12/04/19

SAMPLE RESULTS

Lab ID: L1956778-01 D2
Client ID: MW-14R
Sample Location: NIAGARA FALLS

Date Collected: 11/25/19 15:05
Date Received: 11/25/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/04/19 14:42
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	3500		ug/l	25	1.8	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	112		70-130

Project Name: 7503 NIAGARA FALLS BLVD GWM **Lab Number:** L1956778

Project Number: B0101-013-001-007 **Report Date:** 12/04/19

SAMPLE RESULTS

Lab ID: L1956778-01 D
Client ID: MW-14R
Sample Location: NIAGARA FALLS

Date Collected: 11/25/19 15:05
Date Received: 11/25/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/04/19 03:12
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	3300	E	ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	22		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	38		ug/l	25	7.0	10
Trichloroethene	11		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: 7503 NIAGARA FALLS BLVD GWM **Lab Number:** L1956778

Project Number: B0101-013-001-007 **Report Date:** 12/04/19

SAMPLE RESULTS

Lab ID: L1956778-01 D Date Collected: 11/25/19 15:05

Client ID: MW-14R Date Received: 11/25/19

Sample Location: NIAGARA FALLS Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1800		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	113		70-130

Project Name: 7503 NIAGARA FALLS BLVD GWM **Lab Number:** L1956778

Project Number: B0101-013-001-007 **Report Date:** 12/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/03/19 19:20
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1316569-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 7503 NIAGARA FALLS BLVD GWM **Lab Number:** L1956778

Project Number: B0101-013-001-007 **Report Date:** 12/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/03/19 19:20
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1316569-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 7503 NIAGARA FALLS BLVD GWM
Project Number: B0101-013-001-007
Lab Number: L1956778
Report Date: 12/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/03/19 19:20
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1316569-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: 7503 NIAGARA FALLS BLVD GWM **Lab Number:** L1956778

Project Number: B0101-013-001-007 **Report Date:** 12/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/04/19 10:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1316624-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 7503 NIAGARA FALLS BLVD GWM **Lab Number:** L1956778

Project Number: B0101-013-001-007 **Report Date:** 12/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/04/19 10:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1316624-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 7503 NIAGARA FALLS BLVD GWM
Project Number: B0101-013-001-007
Lab Number: L1956778
Report Date: 12/04/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/04/19 10:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1316624-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7503 NIAGARA FALLS BLVD GWM

Project Number: B0101-013-001-007

Lab Number: L1956778

Report Date: 12/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1316569-3 WG1316569-4								
Methylene chloride	95		91		70-130	4		20
1,1-Dichloroethane	99		94		70-130	5		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	98		95		75-130	3		20
Trichlorofluoromethane	99		92		62-150	7		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	90		88		70-130	2		20
cis-1,3-Dichloropropene	99		93		70-130	6		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	99		93		70-130	6		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	**39**	Q	**38**	Q	64-130	3		20
Bromomethane	39		39		39-139	0		20
Vinyl chloride	60		56		55-140	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7503 NIAGARA FALLS BLVD GWM

Project Number: B0101-013-001-007

Lab Number: L1956778

Report Date: 12/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1316569-3 WG1316569-4								
Chloroethane	100		96		55-138	4		20
1,1-Dichloroethene	90		84		61-145	7		20
trans-1,2-Dichloroethene	97		90		70-130	7		20
Trichloroethene	96		92		70-130	4		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	99		98		70-130	1		20
1,4-Dichlorobenzene	98		96		70-130	2		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	98		99		70-130	1		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	**26**	Q	**25**	Q	36-147	4		20
Acetone	110		110		58-148	0		20
Carbon disulfide	73		68		51-130	7		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	97		100		57-130	3		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	110		110		70-130	0		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	120		110		70-130	9		20
1,2-Dibromo-3-chloropropane	110		110		41-144	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7503 NIAGARA FALLS BLVD GWM

Project Number: B0101-013-001-007

Lab Number: L1956778

Report Date: 12/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1316569-3 WG1316569-4								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		100		70-130	10		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	100		93		70-130	7		20
1,4-Dioxane	132		134		56-162	2		20
Freon-113	95		89		70-130	7		20
Methyl cyclohexane	100		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		114		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7503 NIAGARA FALLS BLVD GWM

Project Number: B0101-013-001-007

Lab Number: L1956778

Report Date: 12/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1316624-3 WG1316624-4								
Methylene chloride	88		89		70-130	1		20
1,1-Dichloroethane	92		90		70-130	2		20
Chloroform	95		93		70-130	2		20
Carbon tetrachloride	98		95		63-132	3		20
1,2-Dichloropropane	88		89		70-130	1		20
Dibromochloromethane	87		95		63-130	9		20
1,1,2-Trichloroethane	87		95		70-130	9		20
Tetrachloroethene	89		90		70-130	1		20
Chlorobenzene	86		89		75-130	3		20
Trichlorofluoromethane	100		98		62-150	2		20
1,2-Dichloroethane	97		100		70-130	3		20
1,1,1-Trichloroethane	99		93		67-130	6		20
Bromodichloromethane	98		96		67-130	2		20
trans-1,3-Dichloropropene	74		79		70-130	7		20
cis-1,3-Dichloropropene	84		86		70-130	2		20
Bromoform	82		85		54-136	4		20
1,1,2,2-Tetrachloroethane	88		91		67-130	3		20
Benzene	89		88		70-130	1		20
Toluene	90		92		70-130	2		20
Ethylbenzene	92		93		70-130	1		20
Chloromethane	68		68		64-130	0		20
Bromomethane	84		82		39-139	2		20
Vinyl chloride	86		86		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7503 NIAGARA FALLS BLVD GWM

Project Number: B0101-013-001-007

Lab Number: L1956778

Report Date: 12/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1316624-3 WG1316624-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	90		87		61-145	3		20
trans-1,2-Dichloroethene	91		89		70-130	2		20
Trichloroethene	87		86		70-130	1		20
1,2-Dichlorobenzene	91		90		70-130	1		20
1,3-Dichlorobenzene	91		89		70-130	2		20
1,4-Dichlorobenzene	87		87		70-130	0		20
Methyl tert butyl ether	91		93		63-130	2		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	95		92		70-130	3		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	66		62		36-147	6		20
Acetone	90		99		58-148	10		20
Carbon disulfide	82		80		51-130	2		20
2-Butanone	79		86		63-138	8		20
4-Methyl-2-pentanone	79		93		59-130	16		20
2-Hexanone	68		84		57-130	**21**	Q	20
Bromochloromethane	94		96		70-130	2		20
1,2-Dibromoethane	89		98		70-130	10		20
n-Butylbenzene	98		92		53-136	6		20
sec-Butylbenzene	97		96		70-130	1		20
1,2-Dibromo-3-chloropropane	88		93		41-144	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7503 NIAGARA FALLS BLVD GWM

Project Number: B0101-013-001-007

Lab Number: L1956778

Report Date: 12/04/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1316624-3 WG1316624-4								
Isopropylbenzene	91		90		70-130	1		20
p-Isopropyltoluene	96		93		70-130	3		20
n-Propylbenzene	92		90		69-130	2		20
1,2,3-Trichlorobenzene	86		86		70-130	0		20
1,2,4-Trichlorobenzene	87		87		70-130	0		20
1,3,5-Trimethylbenzene	92		90		64-130	2		20
1,2,4-Trimethylbenzene	94		90		70-130	4		20
Methyl Acetate	85		93		70-130	9		20
Cyclohexane	87		85		70-130	2		20
1,4-Dioxane	84		96		56-162	13		20
Freon-113	84		83		70-130	1		20
Methyl cyclohexane	86		85		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		115		70-130
Toluene-d8	104		109		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	106		106		70-130

Project Name: 7503 NIAGARA FALLS BLVD GWM
Project Number: B0101-013-001-007

Lab Number: L1956778
Report Date: 12/04/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1956778-01A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L1956778-01B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L1956778-01C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	7503 NIAGARA FALLS BLVD GWM	**Lab Number:**	L1956778
Project Number:	B0101-013-001-007	**Report Date:**	12/04/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	7503 NIAGARA FALLS BLVD GWM	**Lab Number:**	L1956778
Project Number:	B0101-013-001-007	**Report Date:**	12/04/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	7503 NIAGARA FALLS BLVD GWM	**Lab Number:**	L1956778
Project Number:	B0101-013-001-007	**Report Date:**	12/04/19

Data Qualifiers

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7503 NIAGARA FALLS BLVD GWM	**Lab Number:**	L1956778
Project Number:	B0101-013-001-007	**Report Date:**	12/04/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/26/19

ALPHA Job #: L1956778

Client Information
Client: Benchmark Eng
Address: 2558 Hamburg Turnpike
Lackawanna NY 14218
Phone: (716) 818-8358
Fax: (716) 856-0583
Email: TBennett@Benchmarkeng.com

Project Information
Project Name: 7503 Niagara Falls Blvd GWM
Project Location: Niagara Falls
Project # B0101-013-001-007
(Use Project name as Project #) ☒
Project Manager: Nate Murray
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TAL+CP-51 VOC 8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	Total Bottle
56778 01	MW-14R	11/25/19	1505	Water	TAB		X

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
	11/25/19		11/25/19 1630
	11/25/19 1635		11/26/19 0016

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2027654
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 225-3314
Project Name:	GLR HOLDINGS
Project Number:	B0101-013-001
Report Date:	07/08/20

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GLR HOLDINGS
Project Number: B0101-013-001

Lab Number: L2027654
Report Date: 07/08/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2027654-01	MW-14R	WATER	NIAGARA FALLS NY	06/30/20 09:53	06/30/20

Project Name:	GLR HOLDINGS	**Lab Number:**	L2027654
Project Number:	B0101-013-001	**Report Date:**	07/08/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	GLR HOLDINGS	**Lab Number:**	L2027654
Project Number:	B0101-013-001	**Report Date:**	07/08/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2027654-01D2: Due to multiple dilutions, the analysis was performed utilizing a compromised vial.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 07/08/20

ORGANICS

VOLATILES

Project Name: GLR HOLDINGS
Lab Number: L2027654
Project Number: B0101-013-001
Report Date: 07/08/20

SAMPLE RESULTS

Lab ID: L2027654-01
Client ID: MW-14R
Sample Location: NIAGARA FALLS NY

Date Collected: 06/30/20 09:53
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/20 19:31
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	1.0		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.45	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	2000	E	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	20		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	42		ug/l	2.5	0.70	1
Trichloroethene	9.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GLR HOLDINGS
Lab Number: L2027654
Project Number: B0101-013-001
Report Date: 07/08/20

SAMPLE RESULTS

Lab ID: L2027654-01
Client ID: MW-14R
Sample Location: NIAGARA FALLS NY
Date Collected: 06/30/20 09:53
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1400	E	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	106		70-130

Project Name: GLR HOLDINGS
Lab Number: L2027654
Project Number: B0101-013-001
Report Date: 07/08/20

SAMPLE RESULTS

Lab ID: L2027654-01 D2
Client ID: MW-14R
Sample Location: NIAGARA FALLS NY

Date Collected: 06/30/20 09:53
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/05/20 23:02
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	2100		ug/l	25	1.8	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: GLR HOLDINGS
Lab Number: L2027654
Project Number: B0101-013-001
Report Date: 07/08/20

SAMPLE RESULTS

Lab ID: L2027654-01 D
Client ID: MW-14R
Sample Location: NIAGARA FALLS NY

Date Collected: 06/30/20 09:53
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/20 19:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,2-Dichloroethene	1500		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: GLR HOLDINGS
Project Number: B0101-013-001
Lab Number: L2027654
Report Date: 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/02/20 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1388677-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GLR HOLDINGS
Project Number: B0101-013-001
Lab Number: L2027654
Report Date: 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/02/20 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1388677-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GLR HOLDINGS
Project Number: B0101-013-001
Lab Number: L2027654
Report Date: 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/02/20 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1388677-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: GLR HOLDINGS
Project Number: B0101-013-001
Lab Number: L2027654
Report Date: 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/05/20 14:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1389134-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GLR HOLDINGS
Project Number: B0101-013-001
Lab Number: L2027654
Report Date: 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/05/20 14:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1389134-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: GLR HOLDINGS
Project Number: B0101-013-001
Lab Number: L2027654
Report Date: 07/08/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/05/20 14:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1389134-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR HOLDINGS
Project Number: B0101-013-001

Lab Number: L2027654
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1388677-3 WG1388677-4								
Methylene chloride	93		88		70-130	6		20
1,1-Dichloroethane	100		96		70-130	4		20
Chloroform	97		94		70-130	3		20
Carbon tetrachloride	97		94		63-132	3		20
1,2-Dichloropropane	93		91		70-130	2		20
Dibromochloromethane	88		86		63-130	2		20
1,1,2-Trichloroethane	84		81		70-130	4		20
Tetrachloroethene	95		92		70-130	3		20
Chlorobenzene	91		90		75-130	1		20
Trichlorofluoromethane	99		95		62-150	4		20
1,2-Dichloroethane	100		98		70-130	2		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	92		86		67-130	7		20
trans-1,3-Dichloropropene	84		81		70-130	4		20
cis-1,3-Dichloropropene	86		84		70-130	2		20
Bromoform	84		85		54-136	1		20
1,1,2,2-Tetrachloroethane	78		81		67-130	4		20
Benzene	86		83		70-130	4		20
Toluene	86		86		70-130	0		20
Ethylbenzene	89		88		70-130	1		20
Chloromethane	97		92		64-130	5		20
Bromomethane	62		62		39-139	0		20
Vinyl chloride	83		81		55-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR HOLDINGS
Project Number: B0101-013-001

Lab Number: L2027654
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1388677-3 WG1388677-4								
Chloroethane	86		83		55-138	4		20
1,1-Dichloroethene	91		89		61-145	2		20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Trichloroethene	88		86		70-130	2		20
1,2-Dichlorobenzene	91		91		70-130	0		20
1,3-Dichlorobenzene	92		93		70-130	1		20
1,4-Dichlorobenzene	91		90		70-130	1		20
Methyl tert butyl ether	88		81		63-130	8		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	96		93		70-130	3		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	80		79		36-147	1		20
Acetone	93		84		58-148	10		20
Carbon disulfide	90		87		51-130	3		20
2-Butanone	93		86		63-138	8		20
4-Methyl-2-pentanone	75		73		59-130	3		20
2-Hexanone	66		64		57-130	3		20
Bromochloromethane	100		96		70-130	4		20
1,2-Dibromoethane	85		82		70-130	4		20
1,2-Dibromo-3-chloropropane	77		79		41-144	3		20
Isopropylbenzene	83		88		70-130	6		20
1,2,3-Trichlorobenzene	88		87		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR HOLDINGS
Project Number: B0101-013-001

Lab Number: L2027654
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1388677-3 WG1388677-4								
1,2,4-Trichlorobenzene	90		89		70-130	1		20
Methyl Acetate	96		91		70-130	5		20
Cyclohexane	98		95		70-130	3		20
1,4-Dioxane	144		140		56-162	3		20
Freon-113	98		97		70-130	1		20
Methyl cyclohexane	86		85		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		105		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	88		90		70-130
Dibromofluoromethane	105		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR HOLDINGS
Project Number: B0101-013-001

Lab Number: L2027654
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1389134-3 WG1389134-4								
Methylene chloride	93		92		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	95		94		70-130	1		20
Dibromochloromethane	92		94		63-130	2		20
1,1,2-Trichloroethane	83		83		70-130	0		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	96		94		75-130	2		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	97		94		67-130	3		20
trans-1,3-Dichloropropene	86		83		70-130	4		20
cis-1,3-Dichloropropene	90		88		70-130	2		20
Bromoform	90		87		54-136	3		20
1,1,2,2-Tetrachloroethane	77		78		67-130	1		20
Benzene	87		86		70-130	1		20
Toluene	89		88		70-130	1		20
Ethylbenzene	91		91		70-130	0		20
Chloromethane	100		110		64-130	10		20
Bromomethane	59		60		39-139	2		20
Vinyl chloride	88		88		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GLR HOLDINGS
Project Number: B0101-013-001

Lab Number: L2027654
Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1389134-3 WG1389134-4								
Chloroethane	89		92		55-138	3		20
1,1-Dichloroethene	98		94		61-145	4		20
trans-1,2-Dichloroethene	100		97		70-130	3		20
Trichloroethene	94		92		70-130	2		20
1,2-Dichlorobenzene	94		92		70-130	2		20
1,3-Dichlorobenzene	96		95		70-130	1		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	84		83		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	83		85		36-147	2		20
Acetone	97		95		58-148	2		20
Carbon disulfide	95		92		51-130	3		20
2-Butanone	94		89		63-138	5		20
4-Methyl-2-pentanone	72		73		59-130	1		20
2-Hexanone	67		65		57-130	3		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	84		85		70-130	1		20
1,2-Dibromo-3-chloropropane	75		81		41-144	8		20
Isopropylbenzene	89		87		70-130	2		20
1,2,3-Trichlorobenzene	87		88		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GLR HOLDINGS

Project Number: B0101-013-001

Lab Number: L2027654

Report Date: 07/08/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1389134-3 WG1389134-4								
1,2,4-Trichlorobenzene	89		89		70-130	0		20
Methyl Acetate	100		99		70-130	1		20
Cyclohexane	110		100		70-130	10		20
1,4-Dioxane	124		114		56-162	8		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	91		92		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		110		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	89		87		70-130
Dibromofluoromethane	110		109		70-130

Project Name: GLR HOLDINGS
Project Number: B0101-013-001

Lab Number: L2027654
Report Date: 07/08/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2027654-01A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L2027654-01B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L2027654-01C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	GLR HOLDINGS	**Lab Number:**	L2027654
Project Number:	B0101-013-001	**Report Date:**	07/08/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	GLR HOLDINGS	**Lab Number:**	L2027654
Project Number:	B0101-013-001	**Report Date:**	07/08/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	GLR HOLDINGS	**Lab Number:**	L2027654
Project Number:	B0101-013-001	**Report Date:**	07/08/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GLR HOLDINGS	**Lab Number:**	L2027654
Project Number:	B0101-013-001	**Report Date:**	07/08/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 7/1/20

ALPHA Job #: L2027654

Project Information

Project Name: GLR Holdings
Project Location: Niagara Falls NY
Project #: B0101-013-001
(Use Project name as Project #) ☒
Project Manager: Nate Munley
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information

Client: Benchmark Eng
Address: 2558 Hamburg Turnpike
Lackawanna NY 14218
Phone: (716) 818-8358
Fax: (716) 856-0583
Email: TBehrend@Turnkeyllc...

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS: TCL VOC 8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC 8260								Sample Specific Comments	Total Bottles
27654-01	MW-14R	6/30/20	953	Water	TAB	X									3

Container Type	V
Preservative	B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
TCHEM	6/30/20	[signature]	6/30 1531
		[signature]	7/1/20 00:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)