2020

PERIODIC REVIEW REPORT

FOR
FORMER MOBIL SERVICE STATION 99-MST
979 MAIN STREET (1001 MAIN STREET)
NYSDEC SITE #C915260
CITY OF BUFFALO, ERIE COUNTY, NEW YORK

Prepared by:

C&S ENGINEERS, INC.
141 ELM STREET
BUFFALO, NEW YORK 14203

Prepared on Behalf of:

CONVENTUS PARTNERS, LLC

KALEIDA HEALTH

KALEIDA PROPERTIES, INC.

F.L.C 50 HIGH STREET CORPORATION

APRIL 2020

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ACRONYM LIST

C&S	C&S ENGINEERS, INC.
BGS	BELOW GROUND SURFACE
BCP	BROWNFIELD CLEANUP PROGRAM
BCA	BROWNFIELD CLEANUP AGREEMENT
BTEX	BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
DUSR	DATA USABILITY AND SUMMARY REPORT
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
IRM	INTERIM REMEDIAL MEASURES
NYSDEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
PCOC	PRIMARY CONTAMINATE OF CONCERN
PID	PHOTO-IONIZATION DETECTOR
PPM	PARTS PER MILLION
RI	REMEDIAL INVESTIGATION
SCO	SOIL CLEANUP OBJECTIVES
SMP	SITE MANAGEMENT PLAN
SVOC	SEMI-VOLATILE ORGANIC COMPOUNDS
VOC	VOLATILE ORGANIC COMPOUNDS

EXECUTIVE SUMMARY

C&S Engineers, Inc. (C&S) has prepared this 2020 Periodic Review Report for the former Mobil Service Station 99-MST - 979 Main Street (1001 Main Street) (hereinafter referred to as the Site) located at 1001 Main Street in Buffalo, New York.

The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index #C915260-03-12, Site #C915260, which was executed on June 15, 2012 and last amended on August 7, 2012. BCA Volunteers included Kaleida Properties Inc., Kaleida Health and F.L.C 50 High Street Corporation. The BCA was amended for a change in ownership from F.L.C 50 High Street Corporation to Conventus Partners, LLC in August 2013. A figure showing the Site location and boundaries is provided in **Figure 1** and **Figure 2**.

Remedial activities consisted of installing steel shoring around the property and removing contaminated soil and groundwater to 26 – 40 feet below ground surface. After completion of the remedial work, some contamination remained in the subsurface at this Site. A Site Management Plan (SMP) was prepared on November 28, 2014 to manage remaining groundwater contamination at the Site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36.

Petroleum contaminated groundwater is present within a discontinuous layer of coarse sand and gravel located between 32 and 35 feet below ground surface. This layer generally ranges from 6 inches to three feet thick, provides a preferential pathway for groundwater flow, and is confined within dense silt and fine sand present above and below the groundwater bearing zone.

During the remedial efforts, seven groundwater monitoring wells were installed prior to the installation of the two floors of underground parking. These monitoring wells were used to conduct in-situ injections by gravity feeding chemical oxidants into the groundwater bearing zone. A total of 2,480 pounds of chemical oxidant was used over three treatment events. Treatments occurred from December 2013 to June 2015. Groundwater samples following the in-situ injections show minor reductions in petroleum compounds.

In 2016, C&S conducted a limited groundwater extraction on the wells with the highest contaminant levels. Contaminated groundwater was pumped from the wells and treated with 200 pounds of activated carbon before discharging into the sanitary sewer. A total of 4,762.2 gallons of contaminated groundwater was removed. Groundwater samples collected in December 2015, January 2016 and March 2016 showed a slight reduction in petroleum compound concentrations.

The current ISCO treatment method is smaller pressurized injections around each target location on a quarterly schedule. A total of six temporary PVC injection points were installed around BCP-MW-6 and BCP-MW-5. Each quarterly treatment injects a total of 800 pounds (130 pounds per injection point) of chemical oxidant. Groundwater monitoring is conducted biannually.

All institutional and engineering controls are in compliance with the SMP. To address the continued elevated concentrations of petroleum compounds in the groundwater, C&S recommends the completion of additional treatment methods, including the implementation of a slow release chemical oxidation method.

The Institutional and Engineering Controls Certification form is provided in **Appendix B**.

1 SITE OVERVIEW

1.1 Site Description

The Site is located in the City of Buffalo County of Erie County, New York and is identified below on the Erie County Tax Map.

SBL: 100.79 – 1- 1.1

Street Number: 1001 Main Street, Buffalo

(formerly 979 Main Street)

Owner: Kaleida Properties, Inc.

SBL: 100.79-1-2.11

Street Number: 818 Ellicott Street, Buffalo

Owner: Kaleida Health

The Site is an approximately 1.72-acre area bounded by Goodrich Street to the north, High Street to the south, parking lot to the east, and Main Street to the west (see **Figure 1 and 2**).

1.2 Geology and Hydrogeology

The Conventus Medical Office Building currently occupies the Site. During remedial activities, steel shoring was installed to a depth of 40 to 50 feet below grade around the Site. Across the majority of the Site, soils were excavated to 26 feet below

ground surface (bgs). Two floors of underground parking were constructed underneath the Conventus building.

The Site geology begins at 26 feet bgs. Subsurface soils consist of dry to moist fine sand and silt formation extends to nearly 70 feet bgs. Below this massive sand and silt formation is a discontinuous coarse sand and gravel layer that grades to a sand, gravel; and clay till formation. Underlying the overburden is a grey cherty limestone formation at approximately 90 feet bgs.

The principal groundwater bearing zone beneath the Site is located within the coarse sand and gravel layer between 32 and 35 feet bgs. This layer is of variable thickness (generally 6 inches to three feet) but is horizontally discontinuous. The layer is located within the central and northeastern portions of the Site, but does not extend completely to the southern, northwestern or southeastern areas of the Site and is confined by the dense fine sands and silt above and below the groundwater bearing zone.

1.3 Nature and Extent of Contamination

During the Interim Remedial Measure (IRM), grossly contaminated soil and groundwater were removed from the Site. In total, 67,458 tons of soils were sent for disposal or treatment due to gasoline contamination. The remaining contamination left on-site consists of petroleum impacted groundwater. Groundwater sampling that occurred prior to the IRM confirmed that the Primary Contaminants of Concern (PCOCs) are limited to petroleum hydrocarbons.

Groundwater flows within the coarse sand/gravel groundwater bearing zone to the northeast. Groundwater recharge from the surface has been eliminated due to the concrete floor of the parking garage, which effectively covers 100% of the Site recharge area. Additionally, below grade migration has been effectively stopped by the presence of deep sheet piling that cuts off the groundwater bearing zone from the remaining off-site formation around the majority of the Site. The lack of a vertical recharge from the surface and the horizontal containment in the groundwater bearing zone was designed to contain the remaining groundwater on-site and reduces the future contaminant loading into the surrounding off-site formation. However, a small gap in the sheet piling along the southwestern corner may provide a route for off-site contamination to impact the Site's groundwater.

1.4 Site History

Contamination is related to the historic use of the property as a gas station and originally was sourced from leaking underground storage tanks located above the "Deep Excavation Area" (see **Figure 3**).

For over 40 years, the light non-aqueous phase liquid (LNAPL) filtered downward from the base of the tank to a depth of approximately 40 feet bgs. LNAPL intercepted

the groundwater at approximately 32 feet bgs. The water table is present within a semi-confined coarse sand and gravel lens. This lens varies in thickness (1/2 to 3 feet) and extends to the northeast, confined laterally to the east and west. Because of low carbon in the fine sand silt and gravel formations, breakdown of benzene, toluene, ethylbenzene and xylene (BTEX) compounds was slow. This resulted in high volatile organic compounds (VOC) soil gas in the unsaturated zone below the release area and the continual loading of BTEX into the groundwater from the LNAPL. Soil Contamination (exceeding Residential Use SCOs), below the LNAPL layer was noted to extend to a depth of 35 to 40 feet bgs. This area has been identified as the Source Area for groundwater contamination.

Dissolved BTEX, once entering the groundwater bearing zone was transported via localized, preferential groundwater flow to the northeast corner of the Site (Following the location of the coarse sand/gravel lens).

To redevelop the property into a medical office building, the Applicants (BCP F..L.C. 50 High Street, Corporation, Kaleida Health, Kaleida Properties, Inc. and Conventus Partners, LLC) acting as Brownfield Cleanup Program (BCP) Volunteers, submitted a BCP Application for the Site on November 28, 2011. The Applicants and the New York State Department of Environmental Conservation (NYSDEC) signed the Brownfield Cleanup Agreement (BCA) on June 15, 2012.

The NYSDEC approved IRM was implemented on January 2013. The following is a summary of the IRM performed at the Site:

1. Excavation of soil/fill exceeding restricted residential SCOs to 26 feet bgs;
2. Excavation of soil from the Source Area to 40 feet bgs;
3. Removal of LNAPL and contaminated groundwater;
4. Backfilling with clean fill and construction of concrete floor;
5. Backfilling the Source Area with flowable fill; and
6. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site.

The removal of soils in the Source Area ("Area of Deep Excavation" in **Figure 3**) also included the removal of the groundwater bearing zone. During soil removal, 1,997 tons of groundwater and LNAPL was removed from the excavation and properly

disposed off-site. The groundwater bearing zone within the Source Area was replaced with flowable fill, sealing this area off from the adjacent groundwater bearing zone beneath the Site.

Remedial activities were completed at the Site in October 2013. Implementation of the IRM, including source removal, was effective in removing any remaining free product grossly contaminated soils and the groundwater containing the highest dissolved BTEX. However, residual groundwater contamination remains on-site.

Following mass excavation activities, seven new wells were installed on-site.

Table 1-1: Post-Remediation Wells

Well ID	Diameter
BCP-MW-1	2"
BCP-MW-2	8"
BCP-MW-3	8"
BCP-MW-4	2"
BCP-MW-5	2"
BCP-MW-6	8"
BCP-MW-7	2"

Note that one well (BCP-MW-2) was installed adjacent to the flowable fill within the Source Area. This well did not produce water. A second well, BCP-MW-6, was installed along the western side of the deep excavation, along the tiered excavation area and did intercept the portion of the groundwater bearing zone remaining along the shoring. This well did produce water for sampling. All other wells were installed through native materials and the gravel water bearing layer. All wells were installed to an approximate depth of 43 feet below surrounding grade (approximately 16 feet below basement floor elevation).

The monitoring well locations were located in areas of previously identified groundwater contamination and to the south of the plume to confirm that contamination had not moved off-site to the south.

BCP-MW-2 was installed adjacent to the Source Area that was backfilled with flowable fill. Since its installation, this well has been dry. NYSDEC requested the well be modified to evaluate if groundwater underneath the flowable fill mass contains residual contamination. On October 7, 2015 Nature's Way Environmental installed a 1-inch PVC well through the existing BCP-MW-2 to a final depth of 50 feet bgs. The modified well has remained dry. This provides additional evidence that groundwater and petroleum contamination are limited to the coarse sand and gravel layer 32 to 35 feet bgs.

1.4.1 In-situ Injections

The remedial method selected for the Site was in-situ chemical oxidation (ISCO) using RegenOX manufactured by Regenesis. RegenOX is sodium percarbonate formulated to degrade petroleum hydrocarbons through direct oxidation and through the generation of free radical compounds which will also oxidize contaminants. RegenOx produces minimal heat and pressure and is non-corrosive, making it a relatively safe chemical oxidant that is compatible for use in direct contact with underground infrastructure such as utilities, tanks, piping, and communication lines. This was an important characteristic when selecting the ISCO product due to the close proximity of the monitoring wells to the earth retention sheeting for the Conventus Building.

The amount of RegenOX used was calculated based on Site specific data and professional experience of C&S and Regenesis. RegenOX was mixed with tap water in 55 gallon drums at a concentration of 100 pounds of RegenOX with 110 gallons of water for each location.

In-situ treatment consisted of gravity-feeding a chemical oxidizer mixed with water directly into monitoring wells, BCP-MW-3, BCP-MW-4, BCP-MW-5, and BCP-MW-6,. Groundwater samples were collected approximately three months after treatment. The first ISCO treatment was conducted on December 12, 2013.

Evaluation of the gravity fed treatments determined this method was not effective at reducing groundwater contaminants. A work plan for increasing the amount of treatment solution using pressure injections was developed. Borings were advanced in the lower floor of underground parking to apply in-situ treatments under pressure directly into the contaminated sand and gravel lens.

The ISCO solution was directly injected into the soil in 12 borings in the sub-basement. Three borings were advanced adjacent to each monitoring wells listed below:

- BCP-MW-3
- BCP-MW-5
- BCP-MW-4
- BCP-MW-6

Each injection boring had to be carefully located to avoid hitting utilities located underneath the floor, with the intent of being within 10 to 15 feet of each monitoring well. Each injection boring was advanced into the coarse sand and gravel layer, approximately 15 feet below the concrete floor.

The ISCO solution was pumped from the mixing station to a truck mounted geo-probe and into the subsurface. The mix of RegenOX and water was injected under pressure in each boring, and the 12 injection borings received approximately 100 pounds of RegenOx. Additionally, 100 pounds of ISCO material was gravity fed directly into each monitoring well. A total of 1,600 pounds of RegenOx was used for each treatment event. For two treatments, a total of 3,200 pounds of RegenOX was used. These large treatment events resulted in mixed results; some locations showed an increase in contaminant concentrations, likely due to additional petroleum desorption, other locations indicated a significant decrease of petroleum contaminants.

The current ISCO treatment method is smaller pressurized injections around each target location on a quarterly schedule. A total of six temporary PVC injection points were installed around BCP-MW-6 and BCP-MW-5. Each quarterly treatment injects a total of 800 pounds (130 pounds per injection point) of chemical oxidant. Groundwater monitoring is conducted biannually. ISCO injections occurred on the following dates:

January 8, 2019 to January 11, 2019

June 11, 2019 to June 12, 2019

October 16, 2019 to October 17, 2019

November 12, 2019 to November 13, 2019

The current ISCO treatment method has injected a total of 2,400 pounds of oxidant into the subsurface.

2 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

The table below presents a comparison of total VOC and BTEX concentrations from each monitoring well and the percent change from pre-treatment and post-treatment groundwater monitoring.

Table 2-1: VOC Concentration Change

Monitoring Well	*Percent Change Post Injections November 2018 to July 2019*	*Percent Change Post Injections July 2019 to December 2019*	*Percent Change Post Remediation Maximum to December 2019*
BCP MW-1	-63.5	-33.3	-99.2
BCP MW-3	-91.3	+23.8	-99.9
BCP MW-4	-97.2	+780	-82.0
BCP MW-5	-57.1	+126.6	-65.9
BCP MW-6	-96.5	+731	-99.1
BCP MW-7	+377.8	-96.6	-99.8

Note: Negative value indicates decrease in concentration and positives value indicates increase in concentration

BCP-MW-2 was dry. No samples were collected.

Table 2-2: BTEX Concentration Change

Monitoring Well	*Percent Change Post Injections November 2018 to July 2019*	*Percent Change Post Injections July 2019 to December 2019*	*Percent Change Post Remediation Maximum to December 2019*
BCP MW-1	-100	-100	-100
BCP MW-3	-100	+100	-100
BCP MW-4	-97.1	+720	-84.7
BCP MW-5	-50.6	+89.5	-73.8
BCP MW-6	-100	+200	-99.6
BCP MW-7	+327.7	-77.9	-99.8

Note: Negative value indicates decrease in concentration and positives value indicates increase in concentration
BCP-MW-2 was dry. No samples were collected.

Post-treatment samples collected on December 2019 show a significant decrease in petroleum contamination in all monitoring wells. Groundwater samples indicate a 73.8% to 100% decrease in BTEX compounds and a 82% to 99.9% decrease in overall VOC concentrations. ISCO treatments have been effective in keeping contaminants of concern to a practical minimum.

Table 2-1 and **Table 2-2** shows several spikes in contaminant concentrations from July 2019 to December 2019. The tables indicate the percent change increased significantly, BCP-MW-3, BCP-MW-4, BCP-MW-5 and BCP-MW-6 actual concentrations (ug/l) change slightly to moderately.

- BCP-MW-3: Total BTEX increased from 0 ug/l to 2.6 ug/l.
- BCP-MW-4: Total VOCs increased from 10.4 ug/l to 821.70 ug/l and total BTEX increased from 8.7ug/l to 634.70 ug/l.
- BCP-MW-5: Total VOCs increased from 2,718.72 ug/l to 6,160.90 and total BTEX increased from 2,440.30 ug/l to 4,623.90 ug/l.
- BCP-MW-6: Total VOCs increased from 0.6 ug/l to 44.5 ug/l and total BTEX increased from 0 ug/l to 21.1 ug/l.

Graph 1 shows total BTEX concentrations over time. **Figure 3** shows the historic BTEX concentrations from each well.

3 IC/EC Plan Compliance Report

3.1 IC/EC Requirements and Compliance

As stated in the 2014 Decision Document, the remedial action objectives (RAO) selected for this Site are:

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Prevent the discharge of contaminants to surface water.

3.1.1 Institutional Controls

The institutional controls for this Site are:

- The Site may only be used for restricted residential use provided that the long-term Engineering and Institutional Controls included in this SMP are employed;
- The Site may not be used for a higher level of use, unrestricted or residential use, without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the Site that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- The use of the groundwater underlying the Site is prohibited by the City of Buffalo; and
- Vegetable gardens and farming on the Site are prohibited.

The Site has not changed owners and the land use of the Site has not change. All intuitional controls for this Site are in accordance with requirements of the Environmental Easement.

3.1.2 Engineering Controls

The engineering controls for this Site are:

- Groundwater treatment and monitoring using the seven wells installed in the sub-basement of the building

All engineering controls for this Site are in accordance with requirements of the Environmental Easement.

3.2 IC/EC Certification

As required, the Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certificate Form has been completed and a copy is provided in **Appendix B**.

4 MONITORING PLAN COMPLIANCE REPORT

The SMP identified the need for continued monitoring of groundwater conditions at the Site, including the periodic measuring of water levels and collecting groundwater samples for VOC analysis.

The following monitoring wells are included in the groundwater monitoring plan:

- BCP-MW-1
- BCP-MW-2
- BCP-MW-3
- BCP-MW-4
- BCP-MW-5
- BCP-MW-6

All monitoring wells were sampled with the exception of BCP-MW-2, which has remained dry since its installation.

The groundwater monitoring activities included the collection of depth-to-water measurements at each monitoring well and the collection of groundwater samples for laboratory analysis. Groundwater sampling was conducted in accordance with the U.S. Environmental Protection Agency Low flow sample procedure. Groundwater sample occurred on the dates below:

September 20, 2013	December 14, 2015	May 17, 2017
March 19, 2014	January 27, 2016	July 5, 2017
May 22, 2014	March 22, 2016	November 2, 2017
March 11, 2015	June 3, 2016	August 18, 2018
June 17, 2015	October 25, 2016	November 30, 2018
August 3, 2015	December 8, 2016	July 30, 2019
October 7, 2015	January 20, 2017	December 4, 2019

Figure 3 shows the location of the groundwater wells in the sub-basement of the Conventus building.

Table 1 presents detected compounds over all monitoring events.

5 OPERATION AND MAINTENANCE PLAN COMPLIANCE

The only maintenance items are those associated with the monitoring wells. Minor maintenance to the well caps, PVC risers and road boxes is recommended for some of the monitoring wells. These issues do not interfere will groundwater monitoring or the integrity of the samples.

6 CONCLUSIONS

Based upon the remedial activities performed, the following conclusions have been formulated:

- All of the required work was completed and is reported herein.
- The remedial activities performed at the Site have prevented any adverse risk to human health and the environment.

7 RECOMMENDATIONS

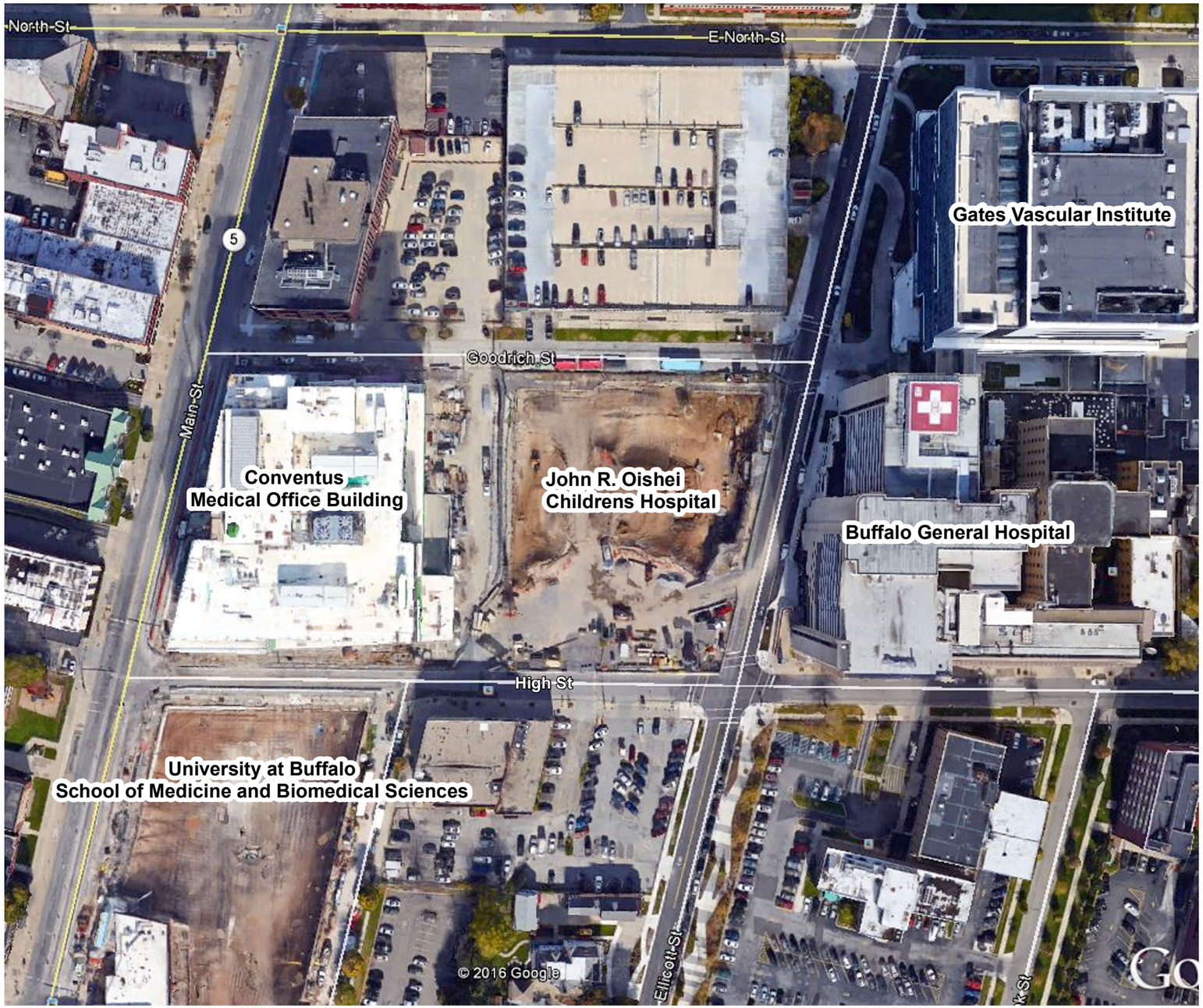
At this time, pressurized in-situ injections are the most efficient method to apply chemical oxidants into the subsurface. Additional treatment events are planned for the Site.

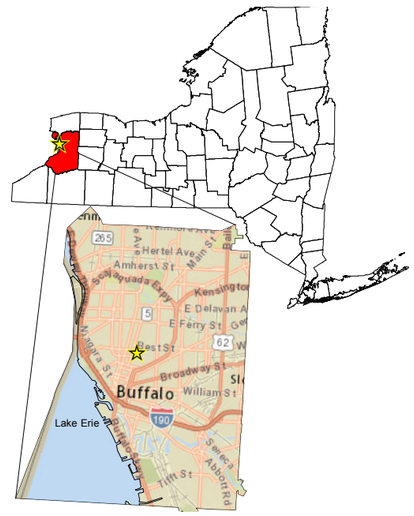
Based on the results described above, it appears that significant onsite groundwater remediation has reduced BTEX concentrations 70% to 100% in five monitoring wells. Results for one monitoring well, BCP-MW-5, lag behind the other wells.

The additional in-situ treatment will consist of the following:

- C&S will subcontract to perform the drilling and injections.
- Utilize three existing injection wells around BCP-MW-4, BCP-MW-5, and BCP-MW-6.
- The ISCO product will be mixed with water onsite using 55-gallon steel drums.
- The ISCO solution will be injected into the sand / gravel layer under pressure.
- BCP-MW-4, BCP-MW-5, and BCP-MW-6 will each receive 400 pounds of ISCO product; a total of 800 pounds of ISCO product will be injected per event. A total of 3,200 pounds in four events throughout the year.
- Groundwater sampling will be conducted semi-annually on the all monitoring wells in the sub-basement of the Site. All groundwater samples will be collected for VOCs and analyzed using EPA Method 8260.

FIGURES





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FORMER MOBIL STATION 99-MST
979 MAIN ST (1001 MAIN ST)
PERIODIC REVIEW REPORT
BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION

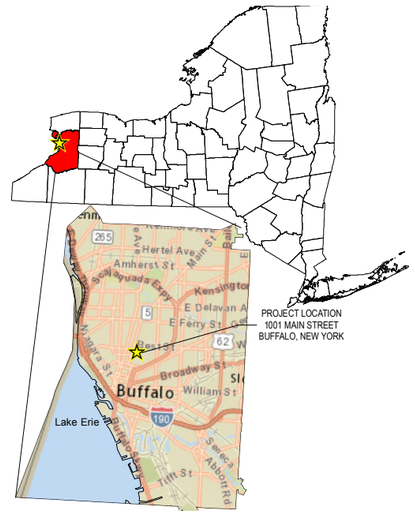
REVISIONS

PROJECT NO:	K11.002.001
DATE:	APRIL 20, 2016
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	D. RIKER

SITE LOCATION

FIGURE 1

Path: F:\Project\K11-Kaleida Health\K11.002.001 - MOB Brownfield Cleanup Program\Environmental-study\CADD-GIS\GIS\Projects\PRR\FIGURE_1_SITE_LOCATION.mxd



Legend

- Parcel Boundary
- Brownfield Cleanup Program Boundary

Property Note

1) The BCP Project Area ("Site") includes the entire western parcel [1001 Main Street (formerly 979 Main Street)] and extends approximately 40 feet east onto the adjacent eastern parcel (818 Ellicott Street). Total acreage of the BCP Project Site is 1.72 acres.

Notes

1) Groundwater elevation benchmark.

2) Coordinate System: NAD 1983 StatePlane NY West FIPS 3103
Projection: Transverse Mercator
Datum: North American 1983
Units: Foot US

0 30 60 120
Feet

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979 MAIN ST (1001 MAIN ST)
BROWNFIELD CLEANUP PROGRAM
BUFFALO, NEW YORK

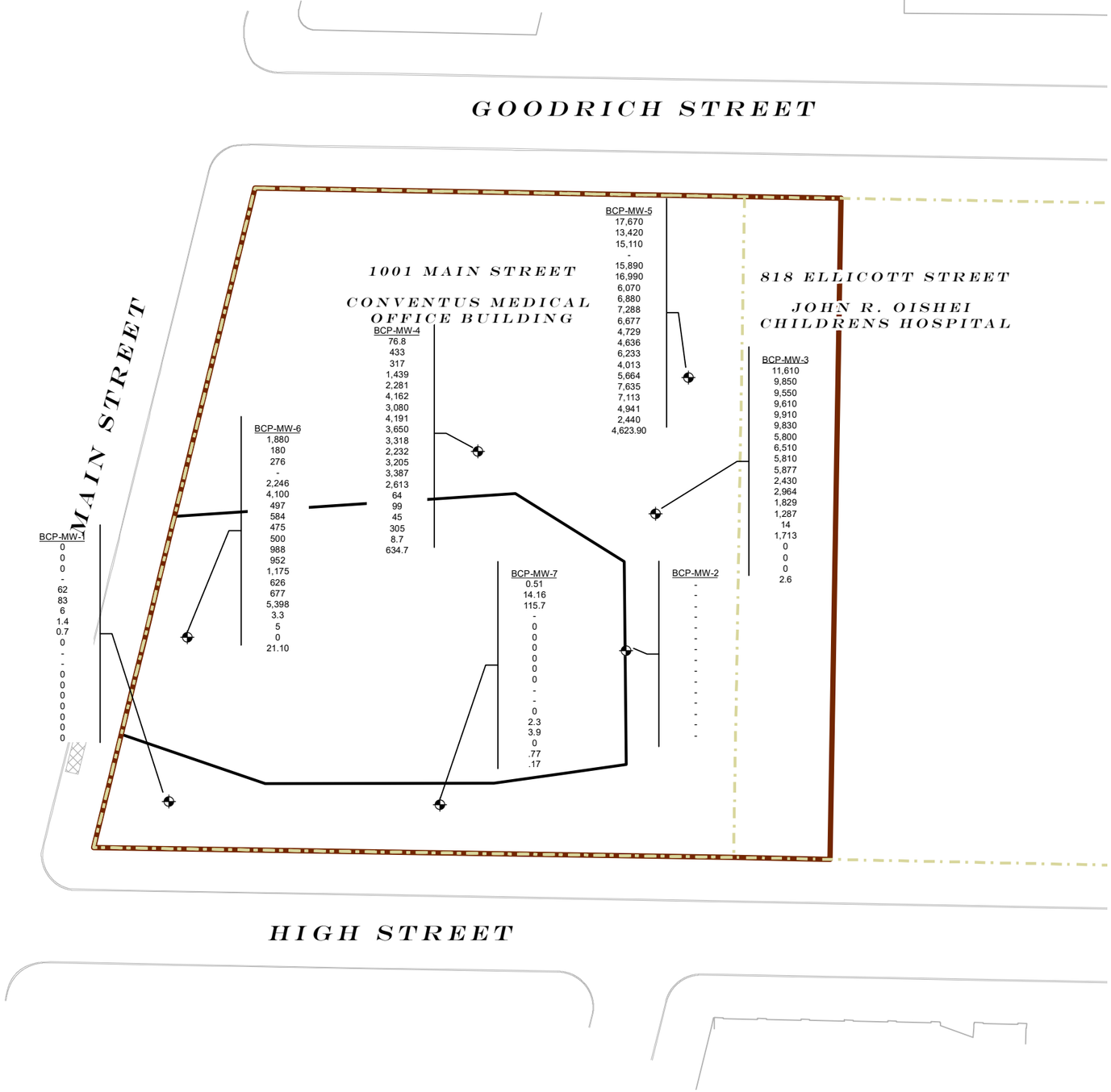
MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	K11.002.001
DATE:	May 4, 2016
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	

PROJECT BOUNDARIES

FIGURE 2



Legend

- Property Lines
- Brownfield Cleanup Program Boundary
- Area of Deep Excavation to -40 ft (below former ground surface)
- Groundwater Monitoring Well Location (Ground Floor of Underground Parking Garage)

Property Note

1) The BCP Project Area ("Site") includes the entire western parcel [1001 Main Street (formerly 979 Main Street)] and extends approximately 40 feet east onto the adjacent eastern parcel (818 Ellicott Street). Total acreage of the BCP Project Site is 1.72 acres.

Label Note

Total concentrations (ug/L) of benzene, toluene, ethlybenzene and xylenes ("BTEX") for each groundwater monitoring event.

BCP-MW-4	
76.8	September 2013
433	March 2014
317	May 2014
1,439	March 2015
2,281	June 2015
4,162	August 2015
3,080	December 2015
4,191	January 2016
3,650	March 2016
3,318	June 2016
2,232	October 2016
3,205	December 2016
3,387	January 2017
2,613	May 2017
64	July 2017
99	November 2017
45	August 2018
305	November 2018
8.7	July 2019
634.7	December 2019

Notes

1) Elevations from New York State Erie County LiDAR Dataset, 2005, NAD 88.

2) Coordinate System: NAD 1983 StatePlane NY West FIPS 3103
Projection: Transverse Mercator
Datum: North American 1983
Units: Foot US

3) Survey data from McIntosh & McIntosh P.C. "Topographical Map of Part of Lot-29, TWP.-11, R.-8, Holland Purchase" Job No. 7669-B(2) September 24, 2008.

0 20 40 80
Feet

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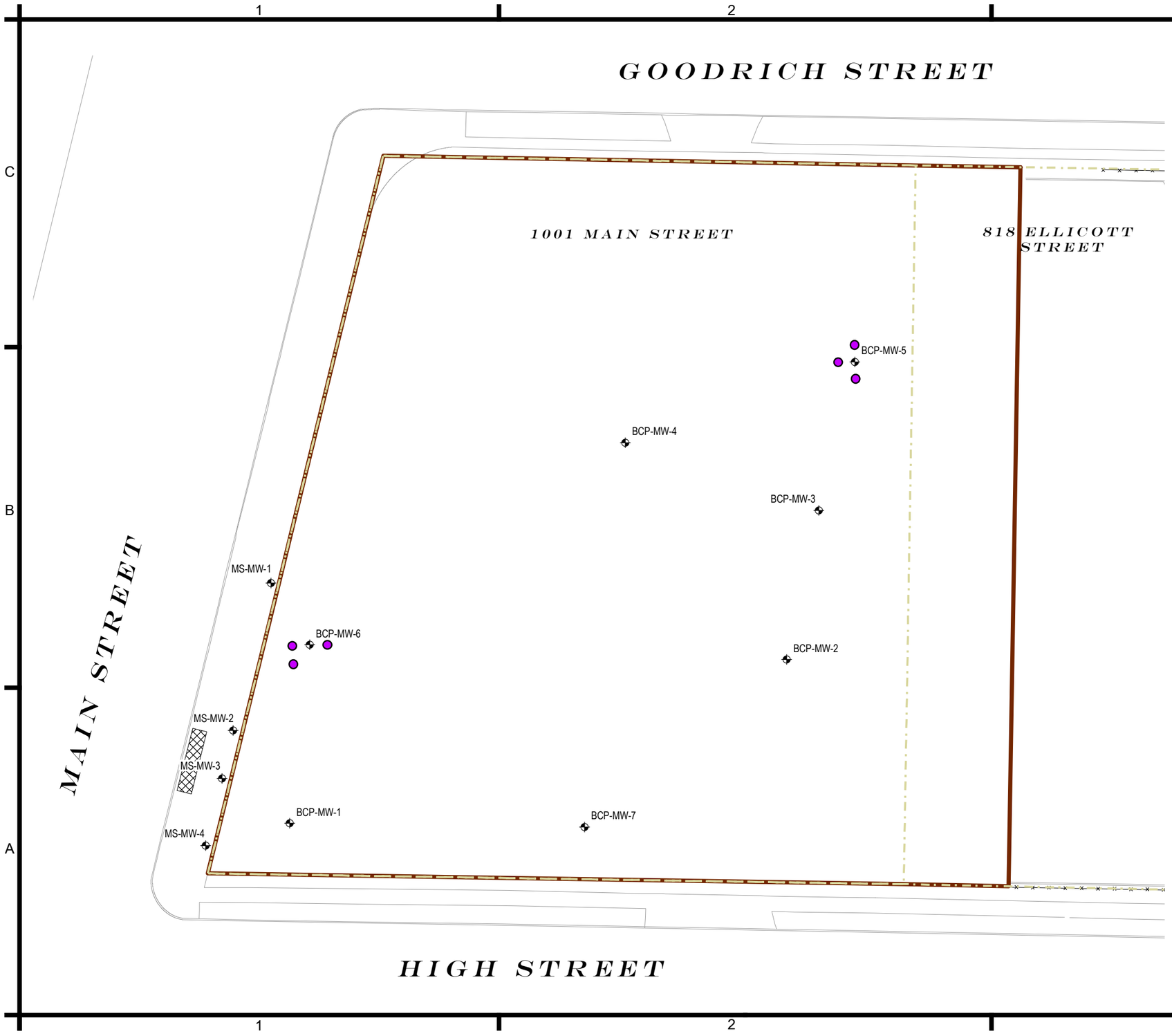
BUFFALO, NEW YORK

K11.002.001
December 2019
R. BACKERT
C. MARTIN
D. RIKER

HISTORIC BTEX CONCENTRATIONS

FIGURE 3

Path: F:\Project\U86 - Seavest Core Buffalo Conventus, LLC\U86001002 - Conventus 2019 Groundwater Remediation\Planning-Study\Reports\2019 Historic_GW_Results.mxd



Legend

- Property Lines
- Brownfield Cleanup Program Boundary
- Groundwater Monitoring Well Location
- ISCO Injection Well

Property Note

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0 25 50 100 Feet

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DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	D. RIKER

INJECTION WELLS

FIGURE 4

Path: F:\Project\K11-Kaleida Health\K11.002.001 - MOB Brownfield Cleanup Program\Environmental-study\CADD-GIS\GIS\Projects\INJECTION_BORINGS.mxd

TABLES

Table 1 - Groundwater Analytical Results
Summary of Detected Compounds
Former Mobil Station 99-MST 979 Main Street (1001 Main Street) Brownfield Cleanup

			Sample Name	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Collected	9/20/2013	3/19/2014	5/22/2014	3/11/2015	6/17/2015	8/3/2014	12/15/2015	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	5/17/2017	7/5/2017	11/2/2017	8/16/2018	11/29/2018	7/30/2019	12/12/2019
			Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
			Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYSDEC Ambient Water Quality Standards & Guidance Values																						
Volatile Organic Compound	**Surface Water**	**Groundwater**																				
1,2-DICHLOROBENZENE	3	3		ND	ND	ND			ND		ND										ND	
1,2-DICHLOROETHANE	0.6	0.6		ND	ND	ND			ND		ND										.15 J	
1,2-DICHLOROPROPANE	1	1		ND	ND	ND			ND		ND											
1,3-DICHLOROBENZENE	3	3		ND	ND	ND			ND		ND										ND	
2-HEXANONE	50	50		ND	ND	ND		ND	ND	3.5	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
ACETONE	50	50		ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	5.1	ND	ND	1.8J	2.4 J	634..17
BENZENE	1	1		ND	ND	ND		**35**	**39**	**5.7**	**1.4**	0.72	ND			ND	ND	0.33	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	50	50		ND	ND	ND			ND		ND		ND				ND	ND	ND	ND	ND	ND
DICHLORODIFLUOROMETHANE	5	5		ND	ND	ND			ND		ND		ND				ND	ND	ND	ND	ND	ND
ETHYLBENZENE	5	5		ND	ND	ND		2	1.5	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
ISOPROPYLBENZENE (CUMENE)	5	5		ND	ND	ND		1.3	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
METHYL ETHYL KETONE (2-BUTANONE)	50	50		ND	ND	ND		ND	45	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	5		ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
TOLUENE	5	5		ND	ND	ND		**19**	**38**	0.55	ND	ND	ND			ND	ND	1.1	ND	ND	ND	ND
TRICHLOROETHYLENE (TCE)	5	5		ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROETHANE	1	1		ND	ND	ND		ND	ND	ND	0.33 J	ND	ND			ND	ND	ND	ND	ND	ND	ND
XYLENES, TOTAL	5	5		ND	ND	ND		**6.4**	4.2	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	10	10		ND	ND	ND		ND	ND	ND	0.33 J	ND	ND			ND	ND	ND	ND	4.3	ND	ND
No Standard																						
CARBON DISULFIDE				ND	ND	0.94		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
CYCLOHEXANE				ND	ND	ND		35	59	61	51	72	ND			ND	ND	ND	ND	ND	ND	ND
METHYL ISOBUTYL KETONE				ND	ND	ND		ND	13	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
METHYLCYCLOHEXANE				ND	ND	0.47		3.2	17	15	11	ND	ND			ND	ND	ND	1.5	.88J	ND	ND
Total VOCs				**0**	**0**	**1.41**	**-**	**101.90**	**216.70**	**85.75**	**63.40**	**72.72**	**0**			**-**	**5.1**	**1.4**	**1.5**	**6.98**	**2.55**	**1.7**
Total BTEX				**0**	**0**	**0**	**-**	**62**	**83**	**6**	**1.4**	**0.7**	**0**			**0.0**	**0**	**0**	**0**	**0**	**0**	**0**
Non-Standard VOC List																						
1,3,5-TRIMETHYLBENZENE	5	5															ND	ND		ND		ND
1,2,4,5-TETRAMETHYLBENZENE	5	5															ND	ND		ND		ND
1,2,4-TRIMETHYLBENZENE	5	5															ND	ND		ND		ND
SEC-BUTYLBENZENE	5	5															ND	ND		ND		ND
N-PROPYLBENZENE	5	5															ND	ND		ND		ND
N-BUTYLBENZENE	5	5															ND	ND		ND		ND
P-ISOPROPYLTOLUENE																	ND	ND		ND		ND
1,4-DIETHYLBENZENE																	ND	ND		ND		ND

Notes:

Not Sampled

1) Blank space = analyte concentration not reported

2) BCP MW-2 was dry and not sampled

3) For the March 11, 2015 monitoring event well MW-1, MW-5, MW-6 and MW-7 were dry or not enough water was inside the well for a representative sample.

4) WG = groundwater

Table 1 - Groundwater Analytical Results
Summary of Detected Compounds
Former Mobil Station 99-MST 979 Main Street (1001 Main Street) Brownfield Cleanup

			Sample Name	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
			Date Collected	9/20/2013	3/19/2014	5/22/2014	3/11/2015	6/17/2015	8/3/2015	12/15/2015	1/27/2015	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	5/17/2017	7/5/2017	11/2/2017	8/16/2018	11/29/2018	7/30/2019	12/12/2019
			Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
			Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYSDEC Ambient Water Quality Standards & Guidance Values																							
Volatile Organic Compound	**Surface Water**	**Groundwater**																					
1,2-DICHLOROBENZENE	3	3		ND	ND	ND																	
1,2-DICHLOROETHANE	0.6	0.6		ND	ND	ND																	
1,2-DICHLOROPROPANE	1	1		ND	ND	ND																	
1,3-DICHLOROBENZENE	3	3		ND	ND	ND																	
2-HEXANONE	50	50		ND	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	ND	ND	ND	ND	ND
ACETONE	50	50		ND	**98**	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**166**	ND	2.3	24.0	**2.1 J**	ND
BENZENE	1	1		**6,600**	**4,500**	**4,700**	**3,700**	**4,300**	**4,100**	**2,100**	**2,200**	**1,900**	**3,100**	**1,390**	**635**	**363**	**451**	**3**	**364**	ND	ND	ND	0.2J
DIBROMOCHLOROMETHANE	50	50		ND	ND	ND		ND		ND		ND		ND		ND		ND		ND	ND	ND	ND
DICHLORODIFLUOROMETHANE	5	5		ND	ND	ND		ND		ND		ND		ND		ND		ND		ND	ND	ND	ND
ETHYLBENZENE	5	5		**1,200**	**1,600**	**1,500**	**1,600**	**1,500**	**1,700**	**1,400**	**1,600**	**1,600**	**610**	**194**	**899**	**517**	**197**	2.4	**384**	ND	ND	ND	1.1 J
ISOPROPYLBENZENE (CUMENE)	5	5		ND	**37**	ND	**32**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**8.7**	ND	ND	ND	ND
METHYL ETHYL KETONE (2-BUTANONE)	50	50		ND	**71**	ND	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	**201**	**51.4**	**51.4**	ND	ND	ND	ND
METHYLENE CHLORIDE	5	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	**35**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	5	5		**110**	**150**	**150**	**110**	**110**	**130**	**100**	**110**	**110**	**67**	**39.4**	**74.5**	**38.4**	**22.6**	1.6	**34.8**	ND	ND	ND	ND
TRICHLOROETHYLENE (TCE)	5	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
1,1,2-TRICHLOROETHANE	1	1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES, TOTAL	5	5		**3,700**	**3,600**	**3,200**	**4200**	**4000**	**3900**	**2200**	**2600**	**2200**	**2100**	**806.3**	**1430**	**949**	**639**	**7.1**	**930.0**	ND	ND	ND	1.3 J
NAPHTHALENE	10	10		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14**	**357**	ND	ND	ND	ND
No Standard																							
CARBON DISULFIDE				ND	ND	ND	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CYCLOHEXANE				120	320	270	390	330	210	100	93	110	170	ND	ND	ND	ND	ND	60.5	ND	ND	ND	ND
METHYL ISOBUTYL KETONE				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLCYCLOHEXANE				ND	130	150	120	160	96	34	33	36 J	170	47.7	ND	ND	29.5	ND	33.4	ND	ND	ND	ND
Total VOCs				**11,730**	**10,506**	**9,970**	**10,179**	**10,400**	**10,136**	**5,934**	**6,636**	**5,920**	**6,252**	**2,477**	**3,038**	**1,867**	**1,540**	**254**	**2,224**	**2.3**	**24.0**	**2.1**	**2.6**
Total BTEX				**11,610**	**9,850**	**9,550**	**9,610**	**9,910**	**9,830**	**5,800**	**6,510**	**5,810**	**5,877**	**2,430**	**3,038**	**1,867**	**1,310**	**14**	**1,713**	**-**	**-**	**-**	**2.6**
Non-Standard VOC List																							
1,3,5-TRIMETHYLBENZENE	5	5																ND	**133**	**133**	ND	ND	ND
1,2,4,5-TETRAMETHYLBENZENE	5	5																ND	ND	ND	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	5	5																4.9	**737**	**737**	ND	ND	1.2 J
SEC-BUTYLBENZENE	5	5																ND	ND	ND	ND	ND	ND
N-PROPYLBENZENE	5	5																ND	ND	ND	ND	ND	ND
N-BUTYLBENZENE	5	5																ND	ND	ND	ND	ND	ND
P-ISOPROPYLTOLUENE																		ND	ND	ND	ND	ND	ND
1,4-DIETHYLBENZENE																		ND	ND	ND	ND	ND	ND

Notes:

Not Sampled

1) Blank space = analyte concentration not reported

2) BCP MW-2 was dry and not sampled

3) For the March 11, 2015 monitoring event well MW-1, MW-5, MW-6 and MW-7 were dry or not enough water was inside the well for a representative sample.

4) WG = groundwater

Table 1 - Groundwater Analytical Results
Summary of Detected Compounds
Former Mobil Station 99-MST 979 Main Street (1001 Main Street) Brownfield Cleanup

		Sample Name	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
		Date Collected	9/20/2013	3/19/2014	5/22/2014	3/11/2015	6/17/2015	8/3/2015	12/15/2015	1/27/2016	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	5/17/2017	7/5/2017	11/17/2017	8/16/2018	11/29/2018	7/30/2019	12/12/2019
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
		Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYSDEC Ambient Water Quality Standards & Guidance Values																						
Volatile Organic Compound	**Surface Water**	**Groundwater**																				
1,2-DICHLOROBENZENE	3	3	ND	ND	ND																	
1,2-DICHLOROETHANE	0.6	0.6	ND	ND	ND																	
1,2-DICHLOROPROPANE	1	1	ND	ND	ND																	1.0 J
1,3-DICHLOROBENZENE	3	3	ND	ND	ND																	
2-HEXANONE	50	50	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACETONE	50	50	10	**250**	**170**	**67**	ND	**210**	ND	ND	ND	ND	ND	ND	ND	ND	38.2	10	1.6	ND	ND	ND
BENZENE	1	1	**42**	**29**	**15**	**26**	**24**	**242**	ND	**21**	ND	**21**	**9.57**	**12.8**	**10.2**	**10.8**	**1.3**	**97.0**	**45.0**	**36.0**	**6.7**	6.4
DIBROMOCHLOROMETHANE	50	50	ND	ND	ND																	ND
DICHLORODIFLUOROMETHANE	5	5	ND	ND	ND																	ND
ETHYLBENZENE	5	5	4.7	**34**	**32**	**560**	**1,000**	**680**	**1,100**	**1300**	**1,400**	**1400**	**1,000**	**1170**	**1,300**	**1220**	**28**	**1.8**	ND	**170**	**2.0 J**	460
ISOPROPYLBENZENE (CUMENE)	5	5	ND	ND	ND	**9.8**	**15.0**	**26**	ND	ND	ND	ND	**19**	**30.3**	**28.7**	ND	2.3	ND	ND	**8.3**	**1.3 J**	19
METHYL ETHYL KETONE (2-BUTANONE)	50	50	ND	ND	ND	ND	8.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	5	ND	ND	1 J	ND	ND	ND	ND	**52**	ND	**42**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	5	5	1.1	**190**	**110**	**53**	**57**	**140**	**180**	**270**	**150**	**97**	**62.4**	**130**	**133**	**92.2**	**9.8**	ND	ND	**15**	ND	11
TRICHLOROETHYLENE (TCE)	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND
1,1,2-TRICHLOROETHANE	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES, TOTAL	5	5	**29**	**180**	**160**	**800**	**1,200**	**3100**	**1,800**	**2600**	**2,100**	**1800**	**1,160**	**1892**	**1,944**	**1289.7**	**24.5**	ND	ND	**83.6**	ND	157.3
NAPHTHALENE	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	**36**	ND	99
No Standard																						
CARBON DISULFIDE			ND	ND	1.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CYCLOHEXANE			8.2	11	7	170	170	110	160	220	250	340	189	259	276	235	276	5.5	ND	24	**.41 J**	60
METHYL ISOBUTYL KETONE			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLCYCLOHEXANE			7.5	3.7	3.1	87	92	69	86	100	110	140	85.1	110	123	99.7	123	2.4	0.47	8.9	ND	8
Total VOCs			**102.5**	**697.7**	**497.1**	**1,774.5**	**2,566.5**	**4,577.0**	**3,326.0**	**4,563.0**	**4,010.0**	**3,840.0**	**2,525.5**	**3,604.1**	**3,814.9**	**2,947.4**	**511.9**	**116.7**	**47.1**	**381.8**	**10.4**	**821.7**
Total BTEX			**76.8**	**433**	**317**	**1,439**	**2,281**	**4,162**	**3,080**	**4,191**	**3,650**	**3,318**	**2,232**	**3,205**	**3,387**	**2,613**	**64**	**99**	**45**	**304.6**	**8.7**	**634.7**
Non-Standard VOC List																						
1,3,5-TRIMETHYLBENZENE	5	5															2	ND	ND	1.4 J	ND	ND
1,2,4,5-TETRAMETHYLBENZENE	5	5															1.1	ND	ND	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	5	5															1.1	ND	ND	**150**	ND	470
SEC-BUTYLBENZENE	5	5															ND	ND	ND	1.5 J	ND	2.9 J
N-PROPYLBENZENE	5	5															2.3	ND	ND	**37**	ND	86
N-BUTYLBENZENE	5	5															1.7	ND	ND	2.2 J	ND	4.1 J
P-ISOPROPYLTOLUENE																	ND	ND	ND	ND	ND	ND
1,4-DIETHYLBENZENE																	ND	ND	ND	ND	ND	ND

Notes:

Not Sampled

1) Blank space = analyte concentration not reported

2) BCP MW-2 was dry and not sampled

3) For the March 11, 2015 monitoring event well MW-1, MW-5, MW-6 and MW-7 were dry or not enough water was inside the well for a representative sample.

4) WG = groundwater

Table 1 - Groundwater Analytical Results
Summary of Detected Compounds
Former Mobil Station 99-MST 979 Main Street (1001 Main Street) Brownfield Cleanup

			Sample Name	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Collected	9/20/2013	3/19/2014	5/22/2014	3/11/2015	6/17/2015	8/3/2015	12/15/2015	1/27/2016	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	5/17/2017	7/5/2017	11/2/2017	8/16/2018	11/29/2018	7/30/2019	12/12/2019
			Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
			Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYSDEC Ambient Water Quality Standards & Guidance Values																						
Volatile Organic Compound	**Surface Water**	**Groundwater**																				
1,2-DICHLOROBENZENE	3	3		ND	ND	ND																ND
1,2-DICHLOROETHANE	0.6	0.6		ND	ND	ND																ND
1,2-DICHLOROPROPANE	1	1		ND	ND	ND																ND
1,3-DICHLOROBENZENE	3	3		ND	ND	ND																ND
2-HEXANONE	50	50		11	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		**2.7 J**	ND
ACETONE	50	50		ND	**520**	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.3	ND	41	**69 J**	**44**	97 J
BENZENE	1	1		**5,600**	**4,800**	**4,900**		**3,700**	**4,100**	**1,800**	**1,800**	**1,700**	**1,600**	**899**	**949**	**682**	**428**	**574**	**283**	**86**	**26**	**3.3**	8.9 J
DIBROMOCHLOROMETHANE	50	50		ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	ND
DICHLORODIFLUOROMETHANE	5	5		ND	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	ND
ETHYLBENZENE	5	5		**1,900**	**1,600**	**1,600**		**2,800**	**2,600**	**1,600**	**1,900**	**2,200**	**2,200**	**1,490**	**1,450**	**2,070**	**584**	**534**	**1,660**	**1,500**	**810**	**520 E**	1200
ISOPROPYLBENZENE (CUMENE)	5	5		**28**	**29**	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**13.6**	ND	**20**	**16 J**	**23**	24 J
METHYL ETHYL KETONE (2-BUTANONE)	50	50		10	**350**	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1	ND	ND		ND	ND
METHYLENE CHLORIDE	5	5		ND	ND	ND		ND	ND	ND	ND	**77**	**96**	ND	ND	ND	ND	ND	ND	ND		ND	ND
TOLUENE	5	5		**170**	**220**	**310**		**290**	**290**	**70**	**80**	**88**	**77**	**68.5**	**84.9**	**86.6**	ND	**36.2**	**82.0**	**66.0**	**39 J**	**38.0**	42 J
TRICHLOROETHYLENE (TCE)	5	5		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		**.22 J**	ND
1,1,2-TRICHLOROETHANE	1	1		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
XYLENES, TOTAL	5	5		**10,000**	**6,800**	**8,300**		**9,100**	**10,000**	**2,600**	**3,100**	**3,300**	**2,800**	**2,271.3**	**2,152.2**	**3,394.7**	**3,000.7**	**4,520.0**	**5,610.0**	**5,461.0**	**4,066.0**	**1879 E**	3373
NAPHTHALENE	10	10		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**730**	**1,030**	**620**	**1,100**		1100
No Standard																							
CARBON DISULFIDE				ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND		**1.2 J**	ND
CYCLOHEXANE				230	340	240		430	260	230	250	280	430	198	148	257	ND	257	238	150	130 J	**140**	220
METHYL ISOBUTYL KETONE				23	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		**3.0 J**	ND
METHYLCYCLOHEXANE				100	170	150		190	130	92	100	100	140	67.5	58.4	92.8	49	92.8	106	70	82 J	**65**	96
Total VOCs				**18,072**	**14,829**	**15,500**	**-**	**16,510**	**17,380**	**6,392**	**7,230**	**7,745**	**7,343**	**4,994**	**4,843**	**6,583**	**4,062**	**6,780**	**9,009**	**8,014**	**6,338**	**2,718.72**	**6,160.9**
Total BTEX				**17,670**	**13,420**	**15,110**	**-**	**15,890**	**16,990**	**6,070**	**6,880**	**7,288**	**6,677**	**4,729**	**4,636**	**6,233**	**4,013**	**5,664**	**7,635**	**7,113**	**4,941**	**2,440.30**	**4,623.90**
Non-Standard VOC List																							
1,3,5-TRIMETHYLBENZENE	5	5																**823**	ND	ND	**630**	ND	480
1,2,4,5-TETRAMETHYLBENZENE	5	5																**135**	ND	ND		ND	ND
1,2,4-TRIMETHYLBENZENE	5	5																**2,280**	**2,490**	**2,400**	**2,300**	ND	2200
SEC-BUTYLBENZENE	5	5																3.2	ND	ND		ND	ND
N-PROPYLBENZENE	5	5																**34.8**	ND	110	**69**	ND	110
N-BUTYLBENZENE	5	5																**43.3**	ND	ND		ND	4.1 J
P-ISOPROPYLTOLUENE																		5.7	ND	ND		ND	ND
1,4-DIETHYLBENZENE																		347	ND	ND		ND	ND

Notes:

Not Sampled

1) Blank space = analyte concentration not reported

2) BCP MW-2 was dry and not sampled

3) For the March 11, 2015 monitoring event well MW-1, MW-5, MW-6 and MW-7 were dry or not enough water was inside the well for a representative sample.

4) WG = groundwater

Table 1 - Groundwater Analytical Results
Summary of Detected Compounds
Former Mobil Station 99-MST 979 Main Street (1001 Main Street) Brownfield Cleanup

		Sample Name	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
		Date Collected	9/20/2013	3/19/2014	5/22/2014	3/11/2015	6/17/2015	8/3/2015	12/14/2015	1/27/2016	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	5/17/2017	7/5/2017	11/2/2017	8/16/2018	11/29/2018	7/30/2019	12/12/2019
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
		Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYSDEC Ambient Water Quality Standards & Guidance Values																						
Volatile Organic Compound	**Surface Water**	**Groundwater**																				
1,2-DICHLOROBENZENE	3	3	ND	ND	ND																ND	ND
1,2-DICHLOROETHANE	0.6	0.6	ND	ND	ND																ND	ND
1,2-DICHLOROPROPANE	1	1	ND	ND	ND																ND	.20 J
1,3-DICHLOROBENZENE	3	3	ND	ND	ND																ND	ND
2-HEXANONE	50	50	ND	ND	ND		190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACETONE	50	50	ND	ND	ND		480	340	ND	ND	ND	ND	ND	ND	ND	ND	**102**	ND	17	4.5 J	ND	6.4
BENZENE	1	1	**190**	**33**	**16**		**470**	**890**	**250**	**230**	**200**	**120**	**302**	**168**	**200**	**113**	**131**	**774**	ND	0.82	ND	4
DIBROMOCHLOROMETHANE	50	50	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DICHLORODIFLUOROMETHANE	5	5	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	5	5	**130**	**20**	**31**		**36**	**210**	**22**	**44**	**67**	**50**	**163**	**169**	**173**	**175**	**85.5**	**154.0**	**3.3**	1.7 J	ND	2.4 J
ISOPROPYLBENZENE (CUMENE)	5	5	4.4	ND	1.9 J			ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	1.3	ND	ND	.90 J
METHYL ETHYL KETONE (2-BUTANONE)	50	50	ND	ND	ND		110	ND	ND	ND	ND	ND	ND	ND	ND	ND	**19.6**	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	5	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	5	5	**810**	**42**	**79**		**1,000**	**1,900**	**85**	**120**	**78**	**120**	**130**	**255**	**351**	**147**	**22.5**	**2,970.0**	ND	ND	ND	6.7
TRICHLOROETHYLENE (TCE)	5	5	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,1,2-TRICHLOROETHANE	1	1	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES, TOTAL	5	5	**750**	**85**	**150**		**740**	**1,100**	**140**	**190**	**130**	**210**	**393**	**360**	**451**	**190.7**	**438**	**1,500**	ND	2 J	ND	8
NAPHTHALENE	10	10	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**86.6**	ND	1	.8 J	ND	4.8
No Standard																						
CARBON DISULFIDE			ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CYCLOHEXANE			68	ND	130		270	41	62	110	110	91	81.5	ND	ND	ND	ND	84	7.4	3.7 J	**.60 J**	6.6 J
METHYL ISOBUTYL KETONE			ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLCYCLOHEXANE			46	16	18		170	27	24	21	10	24	32.2	30.2	36.9	35.3	36.9	44	4.3	3.8 J	ND	4.5 J
Total VOCs			**1,998.4**	**196**	**424**	**-**	**3,466**	**4,508**	**583**	**715**	**595**	**615**	**1,101**	**983**	**1,212**	**661**	**925**	**5,526**	**35**	**17.32**	**0.6**	**44.5**
Total BTEX			**1,880**	**180**	**276**	**-**	**2,246**	**4,100**	**497**	**584**	**475**	**500**	**988**	**952**	**1,175**	**626**	**677**	**5,398**	**3**	**4.52**	**-**	**21.10**
Non-Standard VOC List																						
1,3,5-TRIMETHYLBENZENE	5	5															**74.3**	ND	ND	5.1	ND	1.4 J
1,2,4,5-TETRAMETHYLBENZENE	5	5															**14.3**	ND	ND	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	5	5															**134**	ND	ND	ND	ND	2.2 J
SEC-BUTYLBENZENE	5	5																		ND	ND	0.88 J
N-PROPYLBENZENE	5	5															**11.3**	ND	4.7	1.7 J	ND	1.3 J
N-BUTYLBENZENE	5	5															4.6	ND	0.72	ND	ND	4.1 J
P-ISOPROPYLTOLUENE																	1.6	1.6	1.6	ND	ND	ND
1,4-DIETHYLBENZENE																	32.9	32.9	32.9	ND	ND	ND

Notes:

Not Sampled

1) Blank space = analyte concentration not reported

2) BCP MW-2 was dry and not sampled

3) For the March 11, 2015 monitoring event well MW-1, MW-5, MW-6 and MW-7 were dry or not enough water was inside the well for a representative sample.

4) WG = groundwater

Table 1 - Groundwater Analytical Results
Summary of Detected Compounds
Former Mobil Station 99-MST 979 Main Street (1001 Main Street) Brownfield Cleanup

			Sample Name	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Collected	9/20/2013	3/19/2014	5/22/2014	3/11/2015	6/17/2015	8/3/2015	12/15/2015	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	5/17/2017	7/5/2017	11/2/2017	8/16/2018	11/29/2018	7/30/2019	12/12/2019
			Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
			Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYSDEC Ambient Water Quality Standards & Guidance Values																						
Volatile Organic Compound	**Surface Water**	**Groundwater**																				
1,2-DICHLOROBENZENE	3	3		ND	ND	ND															ND	ND
1,2-DICHLOROETHANE	0.6	0.6		ND	ND	ND															ND	ND
1,2-DICHLOROPROPANE	1	1		ND	ND	ND															ND	ND
1,3-DICHLOROBENZENE	3	3		ND	ND	ND															ND	ND
2-HEXANONE	50	50		ND	ND	4.8		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
ACETONE	50	50		ND	3	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	1.5	ND	**4.2 J**	ND
BENZENE	1	1		0.51	**8.8**	**14**		ND	ND	ND	ND	ND	ND			ND	**2.3**	**2.81**	**1.8**	.18 J	**.77**	.17 J
DIBROMOCHLOROMETHANE	50	50		ND	ND	ND		ND		ND		ND				ND		ND			ND	ND
DICHLORODIFLUOROMETHANE	5	5		ND	ND	ND		ND		ND		ND				ND		ND			ND	ND
ETHYLBENZENE	5	5		ND	ND	3		ND	ND	ND	ND	ND	ND			ND	ND	0	ND	ND	ND	ND
ISOPROPYLBENZENE (CUMENE)	5	5		ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	0.45	ND	ND	ND	ND
METHYL ETHYL KETONE (2-BUTANONE)	50	50		ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	5		ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
TOLUENE	5	5		ND	0.56	4.7		ND	ND	ND	ND	ND	ND			ND	ND	1.1	ND	ND	ND	ND
TRICHLOROETHYLENE (TCE)	5	5		ND	ND	ND		ND		ND		ND				ND		ND			ND	ND
1,1,2-TRICHLOROETHANE	1	1																			ND	ND
XYLENES, TOTAL	5	5		0.96	4.8	**94**		ND	ND	ND	0.99 J	ND	ND			ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	10	10																	1.50	.86 J	ND	ND
No Standard																						
CARBON DISULFIDE				ND	ND	0.97		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
CYCLOHEXANE				ND	4.3	9.6		ND	ND	0.71	ND	ND	ND			ND	ND	0.99	0.66	ND	ND	ND
METHYL ISOBUTYL KETONE				ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
METHYLCYCLOHEXANE				ND	1.7	5.1		0.18	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Total VOCs				**1.47**	**23.16**	**136.17**	**-**	**0.18**	**-**	**0.71**	**-**	**-**	**-**	**-**	**-**	**-**	**2.30**	**5.35**	**3.66**	**1.04**	**4.97**	**0.17**
Total BTEX				**0.51**	**14.16**	**115.7**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2.3**	**3.9**	**1.8**	**0.18**	**0.77**	**0.17**
Non-Standard VOC List																						
1,3,5-TRIMETHYLBENZENE	5	5														ND	ND	3.2		3.2	ND	
1,2,4,5-TETRAMETHYLBENZENE	5	5														ND	ND	ND	ND	ND	ND	
1,2,4-TRIMETHYLBENZENE	5	5														ND	ND	ND	ND	ND	ND	
SEC-BUTYLBENZENE	5	5																			ND	
N-PROPYLBENZENE	5	5																			ND	
N-BUTYLBENZENE	5	5																			ND	
P-ISOPROPYLTOLUENE																					ND	
1,4-DIETHYLBENZENE																					ND	

Notes:

Not Sampled

1) Blank space = analyte concentration not reported

2) BCP MW-2 was dry and not sampled

3) For the March 11, 2015 monitoring event well MW-1, MW-5, MW-6 and MW-7 were dry or not enough water was inside the well for a representative sample.

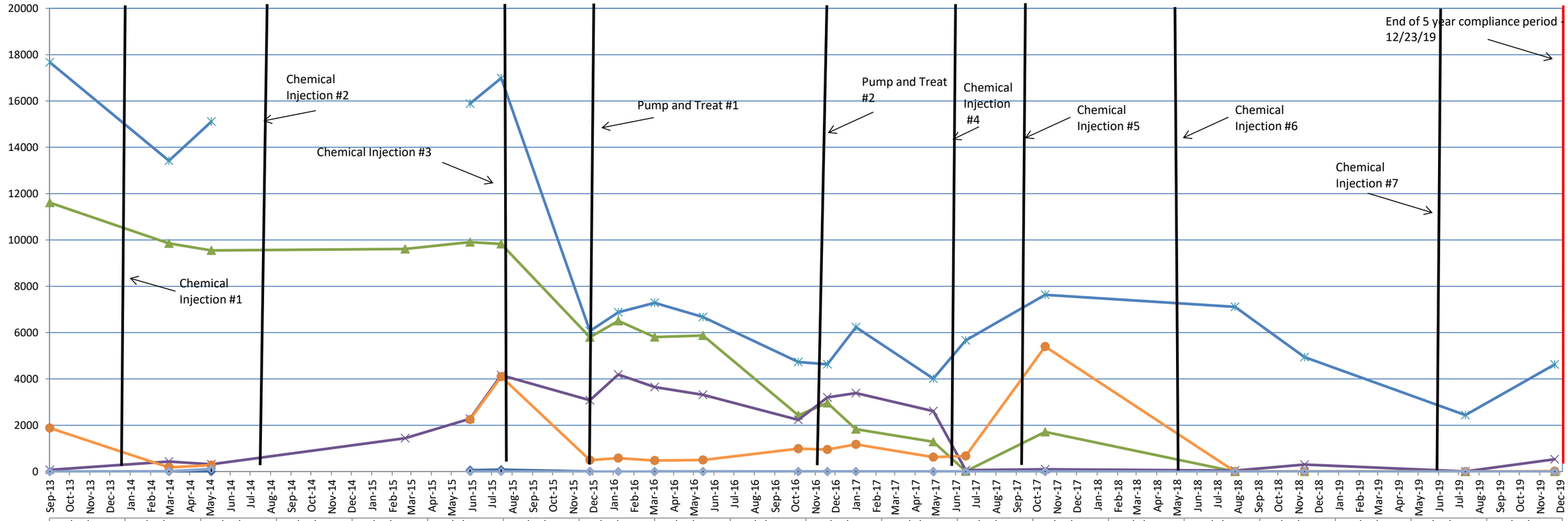
4) WG = groundwater

GRAPHS

Former Mobil Station 99-MST 979 Main Street (1001 Main Street)
Conventus Groundwater Remediation

Graph 1

GROUNDWATER TREATMENT MONITORING - TOTAL BTEX



	9/20/2013	3/19/2014	5/22/2014	3/11/2015	6/17/2015	8/3/2015	12/15/2015	1/27/2016	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	5/17/2017	7/5/2017	11/2/2017	8/16/2018	11/29/2018	7/30/2019	12/12/2019
BCP MW-1	0	0	0		62	83	6.25		1	1	-	-	-	-	-	-	-	-	0	0
BCP MW-2																				
BCP MW-3	11,610	9,850	9,550	9,610	9,910	9,830	5,800	6,510	5,810	5,877	2,430	2,964	1,829	1,287	14	1,713	-	0	0	2.6
BCP MW-4	76.8	433	317	1,439	2,281	4,162	3,080	4,191	3,650	3,318	2,232	3,205	3,387	2,613	64	99	45	305	8.7	534.7
BCP MW-5	17,670	13,420	15,110		15,890	16,990	6,070	6,880	7,288	6,677	4,729	4,636	6,233	4,013	5,664	7,635	7,113	4,941	2,440	4,623.90
BCP MW-6	1,880	180	276		2,246	4,100	497	584	475	500	988	952	1,175	626	677	5,398	3	5	0	21.1
BCP MW-7	1	14.16	115.7		0	0	0	-	-	-	-	-	-	-	2.3	3.9	1.8	0	0.77	0.17

APPENDICES

APPENDIX A

LABORATORY ANALYTICAL RESULTS

C&S Engineers, Inc.
141 Elm Street Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name: KALEIDA HEALTH
Site Name: CONVENTUS
Project No.: N46
Field Staff: RICH BACHERT

WELL DATA

Date		7/30/19	7/30/19						
Well Number		BGPMW06	BGPMW05						
Diameter (inches)		2"	2"						
Total Sounded Depth (feet)		15Ft	15FT.						
Static Water Level (feet)		6.5Ft.	7.8FT.						
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)		2gal	2gal						
Amount Evacuated (gallons)		2gal	2gal						

FIELD READINGS

Date	Stabilization Criteria	7/30/19	7/30/19						
Time		1:00	2:00						
pH (Std. Units)	+/-0.1	8.52	9.86						
Conductivity (mS/cm)	3%	14.9	28.2						
Turbidity (NTU)	10%	-	-						
D.O. (mg/L)	10%	5.53	2.60						
Temperature (°C) (°F)	3%	14.00°C	15.58°C						
ORP[3](mV)	+/-10 mv	108	46						
Appearance		CLEAR	CLEAR						
Free Product (Yes/No)		YES	YES SOME PRODUCT.						
Odor		NONE.	SOME ODOR PER. PRE. ODOR.						
Comments	* Horiba batteries were low unable to correct turbidity.								

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

C&S Engineers, Inc.
141 Elm Street Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name: KAUFFMAN HEALTH
Site Name: ~~WELL~~ CONFIDENTIAL
Project No.: 3416
Field Staff: RICH BARNETT

WELL DATA

Date		7/29/19	7/29/19	7/29/19	7/29/19	7/30/19	7/30/19	7/30/19	7/30/19
Well Number		MS-MW01	MS-MW02	MS-MW03	MS-MW04	BG-MW01	BG-MW02	BG-MW03	BG-MW04
Diameter (inches)		2"	2"	2"	2"	2"	2"	2"	2"
Total Sounded Depth (feet)		36 FT.	36 FT.	40 Ft.	40 Ft.	15 Ft.	15 Ft.	15 Ft.	15 Ft.
Static Water Level (feet)		20.9 Ft.	28.5 Ft.	29.2 Ft.	29.6 Ft.	6.4 Ft.	9.5 Ft.	6.8 Ft.	7.2 Ft.
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)		2 gal	2 gal	1 gal	2 gal	2 gal	2 gal	2 gal	1 gal
Amount Evacuated (gallons)		2 gal	2 gal	1 gal	2 gal	2 gal	2 gal	2 gal	1 gal

FIELD READINGS

Date	Stabilization Criteria	7/29/19	7/29/19	7/29/19	7/29/19	7/30/19	7/30/19	7/30/19	7/30/19
Time		10:30	11:30	12:30	1:45	10:30	10:48	11:20	12:05
pH (Std. Units)	+/-0.1	7.17	10.50	11.50	10.80	8.09	7.62	7.63	8.63
Conductivity (mS/cm)	3%	5.63	17.5	30.3	14.8	8.02	4.30	7.02	10.9
Turbidity (NTU)	10%	—	—	—	—	—	—	—	—
D.O. (mg/L)	10%	9.10	27.52	20.61	50.00	1.85	2.23	2.14	8.35
Temperature (°C) (°F)	3%	16.07°C	14.49°C	20.31°C	15.82°C	12.80°C	13.83°C	14.29°C	14.01°C
ORP[3](mV)	+/-10 mv	130	81	48	69	-106	96	-115	74
Appearance		CLEAR	ST	ST	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
Free Product (Yes/No)		YES	YES	YES	YES	YES	YES	YES	YES
Odor		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Comments		* BATTERY WAS LOW SO TURBIDITY WAS NOT COLLECTED.							

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

ANALYTICAL REPORT

Lab Number:	L1933935
Client:	C&S Companies 141 Elm Street, Suite 100 Buffalo, NY 14203
ATTN:	Cody Martin
Phone:	(716) 847-1630
Project Name:	CONVENTUS
Project Number:	K11.002.001
Report Date:	08/12/19

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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1933935-01	MS-MW01072919	WATER	1001 MAIN ST.	07/29/19 10:30	07/31/19
L1933935-02	MS-MW02072919	WATER	1001 MAIN ST.	07/29/19 11:30	07/31/19
L1933935-03	MS-MW03072919	WATER	1001 MAIN ST.	07/29/19 12:30	07/31/19
L1933935-04	MS-MW04072919	WATER	1001 MAIN ST.	07/29/19 13:45	07/31/19
L1933935-05	BCP-MW01073019	WATER	1001 MAIN ST.	07/30/19 10:00	07/31/19
L1933935-06	BCP-MW07073019	WATER	1001 MAIN ST.	07/30/19 10:45	07/31/19
L1933935-07	BCP-MW04073019	WATER	1001 MAIN ST.	07/30/19 11:20	07/31/19
L1933935-08	BCP-MW03073019	WATER	1001 MAIN ST.	07/30/19 12:05	07/31/19
L1933935-09	BCP-MW06073019	WATER	1001 MAIN ST.	07/30/19 13:00	07/31/19
L1933935-10	BCP-MW05073019	WATER	1001 MAIN ST.	07/30/19 14:00	07/31/19
L1933935-11	TRIP BLANKS	WATER	1001 MAIN ST.	07/30/19 15:00	07/31/19

Project Name:	CONVENTUS	**Lab Number:**	L1933935
Project Number:	K11.002.001	**Report Date:**	08/12/19

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:	CONVENTUS	**Lab Number:**	L1933935
Project Number:	K11.002.001	**Report Date:**	08/12/19

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.

Volatile Organics

L1933935-04, -08, -09, and -10 were received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

L1933935-10: Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

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: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/12/19

ORGANICS

VOLATILES

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-01
Client ID: MS-MW01072919
Sample Location: 1001 MAIN ST.

Date Collected: 07/29/19 10:30
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/19 17:30
Analyst: PD

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	ND		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	ND		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.24	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-01
Client ID: MS-MW01072919
Sample Location: 1001 MAIN ST.
Date Collected: 07/29/19 10:30
Date Received: 07/31/19
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	ND		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	3.6	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	130		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	107		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-02 D
Client ID: MS-MW02072919
Sample Location: 1001 MAIN ST.

Date Collected: 07/29/19 11:30
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/19 18:14
Analyst: PD

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	230		ug/l	5.0	1.6	10
Toluene	550		ug/l	25	7.0	10
Ethylbenzene	94		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-02 D
Client ID: MS-MW02072919
Sample Location: 1001 MAIN ST.

Date Collected: 07/29/19 11:30
Date Received: 07/31/19
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	2000		ug/l	25	7.0	10
o-Xylene	2800		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	170		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	26	J	ug/l	50	10.	10
2-Hexanone	10	J	ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	150		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	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-03
Client ID: MS-MW03072919
Sample Location: 1001 MAIN ST.
Date Collected: 07/29/19 12:30
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/12/19 15:11
Analyst: AD

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	2.1	J	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	0.76		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	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	1.1		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	0.18	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	6.8		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.28	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-03 Date Collected: 07/29/19 12:30

Client ID: MS-MW03072919 Date Received: 07/31/19

Sample Location: 1001 MAIN ST. 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	0.73	J	ug/l	2.5	0.70	1
o-Xylene	6.3		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		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	120		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	3.6	J	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	8.3	J	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	1.3	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-04
Client ID: MS-MW04072919
Sample Location: 1001 MAIN ST.
Date Collected: 07/29/19 13:45
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/19 22:33
Analyst: PD

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	0.96	J	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	0.48	J	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	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.66		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	2.5		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	2.5		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.45	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-04 Date Collected: 07/29/19 13:45

Client ID: MS-MW04072919 Date Received: 07/31/19

Sample Location: 1001 MAIN ST. 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	1.1	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		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	1.6	J	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	117		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-05
Client ID: BCP-MW01073019
Sample Location: 1001 MAIN ST.
Date Collected: 07/30/19 10:00
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/19 22:55
Analyst: PD

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	0.15	J	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	ND		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-05 Date Collected: 07/30/19 10:00

Client ID: BCP-MW01073019 Date Received: 07/31/19

Sample Location: 1001 MAIN ST. 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	ND		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	2.4	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	120		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-06
Client ID: BCP-MW07073019
Sample Location: 1001 MAIN ST.

Date Collected: 07/30/19 10:45
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/19 23:17
Analyst: PD

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	ND		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	0.77		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-06 Date Collected: 07/30/19 10:45

Client ID: BCP-MW07073019 Date Received: 07/31/19

Sample Location: 1001 MAIN ST. 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	ND		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	4.2	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	125		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-07
Client ID: BCP-MW04073019
Sample Location: 1001 MAIN ST.
Date Collected: 07/30/19 11:20
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/19 23:39
Analyst: PD

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	ND		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	6.7		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	2.0	J	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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-07 Date Collected: 07/30/19 11:20

Client ID: BCP-MW04073019 Date Received: 07/31/19

Sample Location: 1001 MAIN ST. 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	ND		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	1.3	J	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	0.41	J	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	128		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-08
Client ID: BCP-MW03073019
Sample Location: 1001 MAIN ST.
Date Collected: 07/30/19 12:05
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 00:01
Analyst: PD

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	ND		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	ND		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-08 Date Collected: 07/30/19 12:05

Client ID: BCP-MW03073019 Date Received: 07/31/19

Sample Location: 1001 MAIN ST. 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	ND		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	2.1	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	122		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-09
Client ID: BCP-MW06073019
Sample Location: 1001 MAIN ST.

Date Collected: 07/30/19 13:00
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 00:23
Analyst: PD

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	ND		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	ND		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-09 Date Collected: 07/30/19 13:00

Client ID: BCP-MW06073019 Date Received: 07/31/19

Sample Location: 1001 MAIN ST. 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	ND		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	0.60	J	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	127		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-10
Client ID: BCP-MW05073019
Sample Location: 1001 MAIN ST.

Date Collected: 07/30/19 14:00
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 00:45
Analyst: PD

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	ND		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	3.3		ug/l	0.50	0.16	1
Toluene	38		ug/l	2.5	0.70	1
Ethylbenzene	520	E	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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.22	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-10 Date Collected: 07/30/19 14:00

Client ID: BCP-MW05073019 Date Received: 07/31/19

Sample Location: 1001 MAIN ST. 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	1800	E	ug/l	2.5	0.70	1
o-Xylene	79		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		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	44		ug/l	5.0	1.5	1
Carbon disulfide	1.2	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	3.0	J	ug/l	5.0	1.0	1
2-Hexanone	2.7	J	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	23		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	140		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	65		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	70		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-10 D2
Client ID: BCP-MW05073019
Sample Location: 1001 MAIN ST.
Date Collected: 07/30/19 14:00
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/12/19 17:33
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	4000		ug/l	100	28.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-10 D
Client ID: BCP-MW05073019
Sample Location: 1001 MAIN ST.

Date Collected: 07/30/19 14:00
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/12/19 15:39
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethylbenzene	1200		ug/l	25	7.0	10
p/m-Xylene	4500	E	ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	93		70-130

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-11
Client ID: TRIP BLANKS
Sample Location: 1001 MAIN ST.

Date Collected: 07/30/19 15:00
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/12/19 14:43
Analyst: AD

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	ND		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	ND		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1933935

Project Number: K11.002.001 **Report Date:** 08/12/19

SAMPLE RESULTS

Lab ID: L1933935-11 Date Collected: 07/30/19 15:00

Client ID: TRIP BLANKS Date Received: 07/31/19

Sample Location: 1001 MAIN ST. 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	ND		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	4.1	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	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/09/19 10:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1271358-5					
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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/09/19 10:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1271358-5					
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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/09/19 10:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1271358-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/09/19 22:11
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-10 Batch: WG1271370-5					
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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/09/19 22:11
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-10 Batch: WG1271370-5					
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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/09/19 22:11
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-10 Batch: WG1271370-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/19 10:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,10-11 Batch: WG1271456-5					
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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/19 10:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,10-11 Batch: WG1271456-5					
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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/19 10:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,10-11 Batch: WG1271456-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1271358-3 WG1271358-4								
Methylene chloride	91		92		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	93		92		70-130	1		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	93		97		70-130	4		20
Tetrachloroethene	90		95		70-130	5		20
Chlorobenzene	95		99		75-130	4		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		100		70-130	2		20
cis-1,3-Dichloropropene	98		97		70-130	1		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	97		94		67-130	3		20
Benzene	96		97		70-130	1		20
Toluene	93		95		70-130	2		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	88		87		64-130	1		20
Bromomethane	87		83		39-139	5		20
Vinyl chloride	88		82		55-140	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1271358-3 WG1271358-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	88		90		61-145	2		20
trans-1,2-Dichloroethene	99		93		70-130	6		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		98		70-130	1		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	99		94		70-130	5		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	88		87		36-147	1		20
Acetone	110		100		58-148	10		20
Carbon disulfide	91		84		51-130	8		20
2-Butanone	91		78		63-138	15		20
4-Methyl-2-pentanone	92		88		59-130	4		20
2-Hexanone	89		93		57-130	4		20
Bromochloromethane	100		99		70-130	1		20
1,2-Dibromoethane	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	85		96		41-144	12		20
Isopropylbenzene	99		100		70-130	1		20
1,2,3-Trichlorobenzene	98		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1271358-3 WG1271358-4								
1,2,4-Trichlorobenzene	98		100		70-130	2		20
Methyl Acetate	92		87		70-130	6		20
Cyclohexane	91		88		70-130	3		20
1,4-Dioxane	96		94		56-162	2		20
Freon-113	100		94		70-130	6		20
Methyl cyclohexane	88		86		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		113		70-130
Toluene-d8	98		100		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	102		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-10 Batch: WG1271370-3 WG1271370-4								
Methylene chloride	95		89		70-130	7		20
1,1-Dichloroethane	92		86		70-130	7		20
Chloroform	100		99		70-130	1		20
Carbon tetrachloride	120		100		63-132	18		20
1,2-Dichloropropane	93		89		70-130	4		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	99		95		70-130	4		20
Tetrachloroethene	96		93		70-130	3		20
Chlorobenzene	100		98		75-130	2		20
Trichlorofluoromethane	100		94		62-150	6		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	100		99		70-130	1		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
Bromoform	110		100		54-136	10		20
1,1,2,2-Tetrachloroethane	98		93		67-130	5		20
Benzene	98		96		70-130	2		20
Toluene	98		92		70-130	6		20
Ethylbenzene	100		97		70-130	3		20
Chloromethane	91		84		64-130	8		20
Bromomethane	81		80		39-139	1		20
Vinyl chloride	83		83		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CONVENTUS

Project Number: K11.002.001

Lab Number: L1933935

Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-10 Batch: WG1271370-3 WG1271370-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	88		83		61-145	6		20
trans-1,2-Dichloroethene	92		85		70-130	8		20
Trichloroethene	96		88		70-130	9		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	97		94		63-130	3		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	93		88		70-130	6		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	88		86		36-147	2		20
Acetone	89		87		58-148	2		20
Carbon disulfide	90		82		51-130	9		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	94		94		59-130	0		20
2-Hexanone	90		88		57-130	2		20
Bromochloromethane	100		97		70-130	3		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	93		93		41-144	0		20
Isopropylbenzene	100		98		70-130	2		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-10 Batch: WG1271370-3 WG1271370-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	87		85		70-130	2		20
Cyclohexane	90		80		70-130	12		20
1,4-Dioxane	104		94		56-162	10		20
Freon-113	93		84		70-130	10		20
Methyl cyclohexane	88		87		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		109		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	102		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,10-11 Batch: WG1271456-3 WG1271456-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	94		97		54-136	3		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	97		95		64-130	2		20
Bromomethane	92		84		39-139	9		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CONVENTUS

Project Number: K11.002.001

Lab Number: L1933935

Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,10-11 Batch: WG1271456-3 WG1271456-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	90		85		36-147	6		20
Acetone	110		110		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	96		100		59-130	4		20
2-Hexanone	100		110		57-130	10		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	96		110		41-144	14		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,10-11 Batch: WG1271456-3 WG1271456-4								
1,2,4-Trichlorobenzene	100		110		70-130	10		20
Methyl Acetate	110		120		70-130	9		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	**174**	Q	**164**	Q	56-162	6		20
Freon-113	110		100		70-130	10		20
Methyl cyclohexane	100		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		100		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	101		101		70-130

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

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(*)
L1933935-01A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-01B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-01C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-02A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-02B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-02C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-03A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-03B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-03C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-04A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-04B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-04C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-05A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-05B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-05C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-06A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-06B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-06C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-07A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-07B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-07C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-08A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-08B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1933935
Report Date: 08/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1933935-08C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-09A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-09B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-09C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-10A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-10B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-10C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-11A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1933935-11B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	CONVENTUS	**Lab Number:**	L1933935
Project Number:	K11.002.001	**Report Date:**	08/12/19

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:	CONVENTUS	**Lab Number:**	L1933935
Project Number:	K11.002.001	**Report Date:**	08/12/19

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.

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 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.

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.)

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:	CONVENTUS	**Lab Number:**	L1933935
Project Number:	K11.002.001	**Report Date:**	08/12/19

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, 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.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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 2

Date Rec'd in Lab: 8/01/19

ALPHA Job #: L1933935

Client Information

Client: C&S ENGINEERS
Address: 141 ELM ST. Suite 100
BUFFALO, NY 14203
Phone: (716)-847-1630
Fax:
Email: RBaecher@CSLOS.COM

Project Information

Project Name: CONVENTUS
Project Location: 1001 MAIN ST.
Project #: K11.002.001
(Use Project name as Project #): ☐
Project Manager: CODY MARTIN
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

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375 NYSELHAL
☐ 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

TCL VOCs 8260

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

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Total Bottle
33935-01	MS-MW01072919	7/29/19	10:30	GW	RB	X	3
-02	MS-MW02072919	7/29/19	11:30	GW	RB	X	3
-03	MS-MW03072919	7/29/19	12:30	GW	RB	X	3
-04	MS-MW04072919	7/29/19	1:45	GW	RB	X	3
-05	BCP-MW01073019	7/30/19	10:00	GW	RB	X	3
-06	BCP-MW07073019	7/30/19	10:45	GW	RB	X	3
-07	BCP-MW04073019	7/30/19	11:20	GW	RB	X	3
-08	BCP-MW03073019	7/30/19	12:05	GW	RB	X	3
-09	BCP-MW06073019	7/30/19	1:00	GW	RB	X	3
-10	BCP-MW05073019	7/30/19	2:00	GW	RB	X	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	V
Preservative	B

Relinquished By:	Date/Time	Received By:	Date/Time
	7/31/19 10:20		7/31/19 10:20
D. Adams DIGI	7/31/19 11:03		8/1/19 0810

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)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 2 of 2

Date Rec'd in Lab: 8/01/19

ALPHA Job #: L1933935

Client Information

Client: CES ENGINEERS
Address: 14 ELAST. Suite 100
BUFFALO, NY 14203
Phone: (716)-847-1630
Fax:
Email: Rbacker@CESOS.COM

Project Information

Project Name: CONVENTUS
Project Location: 1001 MAIN ST.
Project #: C.11.002.001
(Use Project name as Project #) ☐
Project Manager: CODY MARTIN
ALPHAQuote #:

Turn-Around Time

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375 NYC CP-51 TAL
☐ 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:

ANALYSIS

TCL VOCs 8260

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

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Bottle
33935-11	TRIP BLANKS	7/30/19	3:00	GW	RB	2

Container Type: V
Preservative: D

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
	7/31/19 1020		7/31/19 1020
J. Hamm AAL	7/31/19 1702		8/1/19 0740

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:	L1958113
Client:	C&S Companies 141 Elm Street, Suite 100 Buffalo, NY 14203
ATTN:	Cody Martin
Phone:	(716) 847-1630
Project Name:	CONVENTUS
Project Number:	K11.002.001
Report Date:	12/12/19

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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1958113-01	TRIP BLANK	WATER	1001 MAIN ST.	12/03/19 00:00	12/05/19
L1958113-02	MS-MW01120319	WATER	1001 MAIN ST.	12/03/19 11:18	12/05/19
L1958113-03	MS-MW02120319	WATER	1001 MAIN ST.	12/03/19 12:02	12/05/19
L1958113-04	MS-MW03120319	WATER	1001 MAIN ST.	12/03/19 12:42	12/05/19
L1958113-05	MS-MW04120319	WATER	1001 MAIN ST.	12/03/19 13:31	12/05/19
L1958113-06	BCP-MW01120419	WATER	1001 MAIN ST.	12/04/19 11:28	12/05/19
L1958113-07	BCP-MW07120419	WATER	1001 MAIN ST.	12/04/19 11:56	12/05/19
L1958113-08	BCP-MW04120419	WATER	1001 MAIN ST.	12/04/19 12:25	12/05/19
L1958113-09	BCP-MW03120419	WATER	1001 MAIN ST.	12/04/19 12:55	12/05/19
L1958113-10	BCP-MW06120419	WATER	1001 MAIN ST.	12/04/19 13:45	12/05/19
L1958113-11	BCP-MW05120419	WATER	1001 MAIN ST.	12/04/19 12:15	12/05/19

Project Name:	CONVENTUS	**Lab Number:**	L1958113
Project Number:	K11.002.001	**Report Date:**	12/12/19

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:	CONVENTUS	**Lab Number:**	L1958113
Project Number:	K11.002.001	**Report Date:**	12/12/19

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: 12/12/19

ORGANICS

VOLATILES

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-01
Client ID: TRIP BLANK
Sample Location: 1001 MAIN ST.

Date Collected: 12/03/19 00:00
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 13:39
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	ND		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	ND		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-01 Date Collected: 12/03/19 00:00

Client ID: TRIP BLANK Date Received: 12/05/19

Sample Location: 1001 MAIN ST. 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	ND		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	2.5	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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
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	90		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	94		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-02
Client ID: MS-MW01120319
Sample Location: 1001 MAIN ST.
Date Collected: 12/03/19 11:18
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 14:04
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	ND		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	ND		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-02 Date Collected: 12/03/19 11:18

Client ID: MS-MW01120319 Date Received: 12/05/19

Sample Location: 1001 MAIN ST. 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	ND		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	1.5	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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
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	93		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	96		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-03 D
Client ID: MS-MW02120319
Sample Location: 1001 MAIN ST.

Date Collected: 12/03/19 12:02
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/12/19 14:05
Analyst: NLK

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	2.3	J	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	ND		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	79		ug/l	2.5	0.80	5
Toluene	390		ug/l	12	3.5	5
Ethylbenzene	23		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-03 D
Client ID: MS-MW02120319
Sample Location: 1001 MAIN ST.

Date Collected: 12/03/19 12:02
Date Received: 12/05/19
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	1400		ug/l	12	3.5	5
o-Xylene	1700		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	53		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	22	J	ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	9.8	J	ug/l	12	3.5	5
p-Isopropyltoluene	3.7	J	ug/l	12	3.5	5
Naphthalene	380		ug/l	12	3.5	5
n-Propylbenzene	11	J	ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	560		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	620		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	120		ug/l	50	1.4	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	83		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	87		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-04
Client ID: MS-MW03120319
Sample Location: 1001 MAIN ST.
Date Collected: 12/03/19 12:42
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 16:11
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	1.1	J	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	0.36	J	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	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.32	J	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	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	2.8		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-04 Date Collected: 12/03/19 12:42

Client ID: MS-MW03120319 Date Received: 12/05/19

Sample Location: 1001 MAIN ST. 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	8.8		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		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	24		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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	4.0		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	6.1		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	3.0	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.76	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	95		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-05
Client ID: MS-MW04120319
Sample Location: 1001 MAIN ST.
Date Collected: 12/03/19 13:31
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 16:36
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	0.20	J	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	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.29	J	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	0.47	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.2	J	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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-05 Date Collected: 12/03/19 13:31

Client ID: MS-MW04120319 Date Received: 12/05/19

Sample Location: 1001 MAIN ST. 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	0.93	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		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	3.7	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.4	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	3.6	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.59	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	94		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-06
Client ID: BCP-MW01120419
Sample Location: 1001 MAIN ST.
Date Collected: 12/04/19 11:28
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 17:01
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	ND		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	ND		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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-06 Date Collected: 12/04/19 11:28

Client ID: BCP-MW01120419 Date Received: 12/05/19

Sample Location: 1001 MAIN ST. 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	ND		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	1.7	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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
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	91		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	93		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-07
Client ID: BCP-MW07120419
Sample Location: 1001 MAIN ST.
Date Collected: 12/04/19 11:56
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 17:26
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	ND		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	0.17	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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-07 Date Collected: 12/04/19 11:56

Client ID: BCP-MW07120419 Date Received: 12/05/19

Sample Location: 1001 MAIN ST. 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	ND		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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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
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	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	94		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-08 D
Client ID: BCP-MW04120419
Sample Location: 1001 MAIN ST.
Date Collected: 12/04/19 12:25
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 14:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	1.0	J	ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	ND		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	6.4		ug/l	2.0	0.64	4
Toluene	11		ug/l	10	2.8	4
Ethylbenzene	460		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	ND		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	ND		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-08 D
Client ID: BCP-MW04120419
Sample Location: 1001 MAIN ST.

Date Collected: 12/04/19 12:25
Date Received: 12/05/19
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	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	150		ug/l	10	2.8	4
o-Xylene	7.3	J	ug/l	10	2.8	4
cis-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
n-Butylbenzene	4.1	J	ug/l	10	2.8	4
sec-Butylbenzene	2.9	J	ug/l	10	2.8	4
tert-Butylbenzene	ND		ug/l	10	2.8	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	19		ug/l	10	2.8	4
p-Isopropyltoluene	ND		ug/l	10	2.8	4
Naphthalene	99		ug/l	10	2.8	4
n-Propylbenzene	86		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
1,3,5-Trimethylbenzene	ND		ug/l	10	2.8	4
1,2,4-Trimethylbenzene	470		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	60		ug/l	40	1.1	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	8.0	J	ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	94		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-09
Client ID: BCP-MW03120419
Sample Location: 1001 MAIN ST.
Date Collected: 12/04/19 12:55
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 17:52
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	ND		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	0.20	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.1	J	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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-09 Date Collected: 12/04/19 12:55

Client ID: BCP-MW03120419 Date Received: 12/05/19

Sample Location: 1001 MAIN ST. 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	1.3	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.2	J	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
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	91		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	94		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-10
Client ID: BCP-MW06120419
Sample Location: 1001 MAIN ST.
Date Collected: 12/04/19 13:45
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 15:20
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	0.20	J	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	ND		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	4.0		ug/l	0.50	0.16	1
Toluene	6.7		ug/l	2.5	0.70	1
Ethylbenzene	2.4	J	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	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-10 Date Collected: 12/04/19 13:45

Client ID: BCP-MW06120419 Date Received: 12/05/19

Sample Location: 1001 MAIN ST. 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	5.1		ug/l	2.5	0.70	1
o-Xylene	2.9		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		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	6.4		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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	0.88	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.90	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	4.8		ug/l	2.5	0.70	1
n-Propylbenzene	1.3	J	ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	1.4	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	2.2	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	6.6	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	4.5	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	92		70-130

Project Name: CONVENTUS
Project Number: K11.002.001
Lab Number: L1958113
Report Date: 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-11 D
Client ID: BCP-MW05120419
Sample Location: 1001 MAIN ST.
Date Collected: 12/04/19 12:15
Date Received: 12/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/11/19 15:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	8.9	J	ug/l	10	3.2	20
Toluene	42	J	ug/l	50	14.	20
Ethylbenzene	1200		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	ND		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: CONVENTUS **Lab Number:** L1958113

Project Number: K11.002.001 **Report Date:** 12/12/19

SAMPLE RESULTS

Lab ID: L1958113-11 D
Client ID: BCP-MW05120419
Sample Location: 1001 MAIN ST.

Date Collected: 12/04/19 12:15
Date Received: 12/05/19
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	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	3300		ug/l	50	14.	20
o-Xylene	73		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	97	J	ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	24	J	ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	1100		ug/l	50	14.	20
n-Propylbenzene	110		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	480		ug/l	50	14.	20
1,2,4-Trimethylbenzene	2200		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	220		ug/l	200	5.4	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	96	J	ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	92		70-130

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/11/19 09:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-11 Batch: WG1320012-5					
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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/11/19 09:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-11 Batch: WG1320012-5					
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
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
tert-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
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/11/19 09:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-11 Batch: WG1320012-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	94		70-130

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/12/19 09:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1320057-5					
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: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/12/19 09:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1320057-5					
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
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
tert-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
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/12/19 09:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1320057-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-11 Batch: WG1320012-3 WG1320012-4								
Methylene chloride	89		88		70-130	1		20
1,1-Dichloroethane	88		92		70-130	4		20
Chloroform	82		87		70-130	6		20
Carbon tetrachloride	82		84		63-132	2		20
1,2-Dichloropropane	95		97		70-130	2		20
Dibromochloromethane	90		89		63-130	1		20
1,1,2-Trichloroethane	92		88		70-130	4		20
Tetrachloroethene	86		87		70-130	1		20
Chlorobenzene	87		89		75-130	2		20
Trichlorofluoromethane	73		74		62-150	1		20
1,2-Dichloroethane	85		83		70-130	2		20
1,1,1-Trichloroethane	79		81		67-130	3		20
Bromodichloromethane	84		84		67-130	0		20
trans-1,3-Dichloropropene	95		91		70-130	4		20
cis-1,3-Dichloropropene	89		88		70-130	1		20
Bromoform	90		83		54-136	8		20
1,1,2,2-Tetrachloroethane	95		90		67-130	5		20
Benzene	91		92		70-130	1		20
Toluene	92		93		70-130	1		20
Ethylbenzene	88		90		70-130	2		20
Chloromethane	82		86		64-130	5		20
Bromomethane	43		68		39-139	**45**	Q	20
Vinyl chloride	88		87		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-11 Batch: WG1320012-3 WG1320012-4								
Chloroethane	76		77		55-138	1		20
1,1-Dichloroethene	83		87		61-145	5		20
trans-1,2-Dichloroethene	95		96		70-130	1		20
Trichloroethene	84		87		70-130	4		20
1,2-Dichlorobenzene	93		95		70-130	2		20
1,3-Dichlorobenzene	94		97		70-130	3		20
1,4-Dichlorobenzene	92		93		70-130	1		20
Methyl tert butyl ether	95		90		63-130	5		20
p/m-Xylene	85		90		70-130	6		20
o-Xylene	85		90		70-130	6		20
cis-1,2-Dichloroethene	87		86		70-130	1		20
Styrene	85		90		70-130	6		20
Dichlorodifluoromethane	68		70		36-147	3		20
Acetone	120		100		58-148	18		20
Carbon disulfide	88		90		51-130	2		20
2-Butanone	120		110		63-138	9		20
4-Methyl-2-pentanone	120		110		59-130	9		20
2-Hexanone	110		96		57-130	14		20
1,2-Dibromoethane	94		89		70-130	5		20
n-Butylbenzene	92		96		53-136	4		20
sec-Butylbenzene	96		100		70-130	4		20
tert-Butylbenzene	93		96		70-130	3		20
1,2-Dibromo-3-chloropropane	100		94		41-144	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-11 Batch: WG1320012-3 WG1320012-4								
Isopropylbenzene	91		94		70-130	3		20
p-Isopropyltoluene	93		98		70-130	5		20
Naphthalene	110		100		70-130	10		20
n-Propylbenzene	92		94		69-130	2		20
1,2,4-Trichlorobenzene	100		99		70-130	1		20
1,3,5-Trimethylbenzene	91		94		64-130	3		20
1,2,4-Trimethylbenzene	91		95		70-130	4		20
Methyl Acetate	98		91		70-130	7		20
Cyclohexane	97		99		70-130	2		20
Freon-113	80		84		70-130	5		20
Methyl cyclohexane	86		88		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		88		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	111		111		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1320057-3 WG1320057-4								
Methylene chloride	84		85		70-130	1		20
1,1-Dichloroethane	88		87		70-130	1		20
Chloroform	83		82		70-130	1		20
Carbon tetrachloride	78		80		63-132	3		20
1,2-Dichloropropane	94		94		70-130	0		20
Dibromochloromethane	85		87		63-130	2		20
1,1,2-Trichloroethane	89		90		70-130	1		20
Tetrachloroethene	80		83		70-130	4		20
Chlorobenzene	85		86		75-130	1		20
Trichlorofluoromethane	70		72		62-150	3		20
1,2-Dichloroethane	83		83		70-130	0		20
1,1,1-Trichloroethane	75		76		67-130	1		20
Bromodichloromethane	81		83		67-130	2		20
trans-1,3-Dichloropropene	90		92		70-130	2		20
cis-1,3-Dichloropropene	85		86		70-130	1		20
Bromoform	83		86		54-136	4		20
1,1,2,2-Tetrachloroethane	91		96		67-130	5		20
Benzene	87		87		70-130	0		20
Toluene	88		88		70-130	0		20
Ethylbenzene	84		85		70-130	1		20
Chloromethane	81		85		64-130	5		20
Bromomethane	**28**	Q	47		39-139	**51**	Q	20
Vinyl chloride	85		86		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CONVENTUS

Project Number: K11.002.001

Lab Number: L1958113

Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1320057-3 WG1320057-4								
Chloroethane	73		75		55-138	3		20
1,1-Dichloroethene	82		82		61-145	0		20
trans-1,2-Dichloroethene	88		89		70-130	1		20
Trichloroethene	80		81		70-130	1		20
1,2-Dichlorobenzene	91		96		70-130	5		20
1,3-Dichlorobenzene	94		96		70-130	2		20
1,4-Dichlorobenzene	90		94		70-130	4		20
Methyl tert butyl ether	88		90		63-130	2		20
p/m-Xylene	80		85		70-130	6		20
o-Xylene	85		85		70-130	0		20
cis-1,2-Dichloroethene	90		83		70-130	8		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	65		65		36-147	0		20
Acetone	97		100		58-148	3		20
Carbon disulfide	82		83		51-130	1		20
2-Butanone	100		110		63-138	10		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	95		100		57-130	5		20
1,2-Dibromoethane	88		90		70-130	2		20
n-Butylbenzene	88		91		53-136	3		20
sec-Butylbenzene	90		94		70-130	4		20
tert-Butylbenzene	88		92		70-130	4		20
1,2-Dibromo-3-chloropropane	90		96		41-144	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1320057-3 WG1320057-4								
Isopropylbenzene	87		91		70-130	4		20
p-Isopropyltoluene	87		92		70-130	6		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	87		91		69-130	4		20
1,2,4-Trichlorobenzene	96		96		70-130	0		20
1,3,5-Trimethylbenzene	87		90		64-130	3		20
1,2,4-Trimethylbenzene	88		92		70-130	4		20
Methyl Acetate	97		99		70-130	2		20
Cyclohexane	93		92		70-130	1		20
Freon-113	78		76		70-130	3		20
Methyl cyclohexane	78		81		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		93		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	112		114		70-130
Dibromofluoromethane	96		97		70-130

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

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(*)
L1958113-01A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-01B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-02A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-02B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-02C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-03A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-03B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-03C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-04A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-04B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-04C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-05A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-05B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-05C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-06A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-06B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-06C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-07A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-07B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-07C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-08A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-08B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-08C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: CONVENTUS
Project Number: K11.002.001

Lab Number: L1958113
Report Date: 12/12/19

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1958113-09A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-09B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-09C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-10A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-10B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-10C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-11A	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-11B	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L1958113-11C	Vial HCl preserved	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	CONVENTUS	**Lab Number:**	L1958113
Project Number:	K11.002.001	**Report Date:**	12/12/19

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:	CONVENTUS	**Lab Number:**	L1958113
Project Number:	K11.002.001	**Report Date:**	12/12/19

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:	CONVENTUS	**Lab Number:**	L1958113
Project Number:	K11.002.001	**Report Date:**	12/12/19

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:	CONVENTUS	**Lab Number:**	L1958113
Project Number:	K11.002.001	**Report Date:**	12/12/19

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.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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 2

Date Rec'd in Lab: 12-6-19

ALPHA Job #: L1958113

Client Information
Client: C&S ENGINEERS
Address: 141 ELLICOTT ST. Suite 100
BUFFALO NY 14203
Phone: (716)-847-1630
Fax:
Email: RBuchert@CSLOS.com

Project Information
Project Name: CONVENTUS
Project Location: 1001 MAIN ST.
Project # K11.002.001
(Use Project name as Project #) ☐
Project Manager: CODY MARTIN
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 MTBE/TAL
☐ 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

VOCs 8260

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

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	Total Bottle
L1958113-01 (ID-12/6/19)	TRIP BLANK	12/4/19	3:00	GW	KB	B	2

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
	12/5/19 1250		12/5/19 1250
	12/5/19 1330		12/6/19 01:30

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)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 12-6-19

ALPHA Job #: L1958113

Client Information
Client: C&S ENGINEERS
Address: 141 ELM ST. SUITE 100
BUFFALO NY 14203
Phone: (716)-847-1630
Fax:
Email: RBuchert@CandS.com

Project Information
Project Name: CONVENTUS
Project Location: 1001 MAIN ST.
Project #: K11.002.001
(Use Project name as Project #)
Project Manager: CODY MARTIN
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [X] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [X] NY Part 375 NYECL/TAL
[ ] 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 [X] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCL VOCs 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
58113-01-02	MS-MW01120319	12/3/19	11:18	GW	RB		3
-02-03	MS-MW02120319	12/3/19	12:02	GW	RB		3
-03-04	MS-MW03120319	12/3/19	12:42	GW	RB		3
-04-05	MS-MW04120319	12/3/19	1:31	GW	RB		3
-05-06	BCP-MW01120419	12/4/19	11:28	GW	RB		3
-06-07	BCP-MW07120419	12/4/19	11:56	GW	RB		3
-07-08	BCP-MW04120419	12/4/19	12:25	GW	RB		3
-08-09	BCP-MW03120419	12/4/19	12:55	GW	RB		3
-09-10	BCP-MW06120419	12/4/19	1:45	GW	RB		3
-10-11	BCP-MW05120419	12/4/19	2:15	GW	RB		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
	12/5/19 1250		12/5/19 1250
	12/5/19 1330		12/6/19 0115O

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)

C&S Engineers, Inc.
141 Elm Street Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name: Kaleida Health
Site Name: CONVENTUS
Project No.: N96
Field Staff: RICH BACHERT

WELL DATA

Date		12/3/19	12/3/19	12/3/19	12/3/19	12/4/19	12/4/19	12/4/19	12/4/19
Well Number		MS-MW01	MS-MW2	MS-MW3	MS-MW4	BCP MW1	BCP MW7	BCP MW4	BCP MW3
Diameter (inches)		2"	2"	2"	2"	2"	2"	2"	8"
Total Sounded Depth (feet)		36'	36'	40'	40'	15 FT.	15 FT.	15 FT.	15 FT.
Static Water Level (feet)		21.9'	30.3'	29.9	29.9	7.0 FT	9.8 FT.	6.9 FT.	7.0 FT.
H_2O Column (feet)		15.9	5.7	10.1	10.6	8.0	5.2 FT.	8.1 FT.	8.0
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)		2gal	2gal	1gal	3gal	2gal	2gal	3gal	2gal
Amount Evacuated (gallons)		2gal	2gal	1gal	3gal	2gal	2gal	3gal	2gal

DEPTH TO WATER

FIELD READINGS

Date	Stabilization Criteria	12/3/19	12/3/19	12/3/19	12/3/19	12/4/19	12/4/19	12/4/19	12/4/19
Time		11:28	12:02	12:42	1:31	11:28	11:56	12:25	12:55
pH (Std. Units)	+/-0.1	7.19	7.58	8.27	8.80	5.65	7.15	5.68	6.80
Conductivity (mS/cm)	3%	6.71	38.4	37.7	6.38	7.99	4.33	5.38	10.5
Turbidity (NTU)	10%	42.4	0.00	0.00	[illegible]	-	-	-	-
D.O. (mg/L)	10%	8.42	14.48	17.75	4.92	2.95	1.67	1.24	13.17
Temperature (°C) (°F)	3%	14.4°C	15.04°C	13.39°C	13.78°C	13.56°C	14.39°C	14.77°C	14.97°C
ORP[3](mV)	+/-10 mv	188	211	203	1666	9	51	-13	124
Appearance		CLEAR	CLEAR	ST	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
Free Product (Yes/No)		YES	YES	YES	YES	YES	YES	YES	YES
Odor		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Comments		* power supply error for lamp - error displayed on screen may effect ntu reading.							

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

C&S Engineers, Inc.
141 Elm Street Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name: ICALEDIA HEALTH
Site Name: CONVENTUS
Project No.: N46
Field Staff: RICH BAUMERT

WELL DATA

Date		12/4/19	12/4/19						
Well Number		RCPMW6	BCPMW5						
Diameter (inches)		8"	2"						
Total Sounded Depth (feet)		15	18						
Static Water Level (feet)		7.1	7.9						
H_2O Column (feet)		7.9	7.2						
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)		2gal	2gal						
Amount Evacuated (gallons)		2gal	2gal						

FIELD READINGS

Date	Stabilization Criteria	12/4/19	12/4/19						
Time		1:48	2:15						
pH (Std. Units)	+/-0.1	10.40	7.60						
Conductivity (mS/cm)	3%	13.3	10.4						
Turbidity (NTU)	10%	-	-						
D.O. (mg/L)	10%	4.21	2.00						
Temperature (°C) (°F)	3%	14.12°C	14.96°C						
ORP[3](mV)	+/-10 mv	32	-29						
Appearance		CLEAR	CLEAR						
Free Product (Yes/No)		YES	YES						
Odor		NONE	MINOR						
Comments		* MW5 → MINOR PETRO ODOR							

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

APPENDIX B

INSTITUTIONAL AND 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. **C915260**

Site Name Former Mobil Service Station 99-MST

Site Address: 979 Main Street Zip Code: 14203
City/Town: Buffalo
County: Erie
Site Acreage: 1.725

Reporting Period: March 24, 2019 to March 24, 2020

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

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

SITE NO. C915260

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
100.79-1-1.1	Kaleida Properties, Inc.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Landuse Restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.
4. Groundwater Monitoring Plan.

100.79-1-2.11	Kaleida Health	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Landuse Restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.
4. Groundwater Monitoring Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
100.79-1-1.1	Groundwater Treatment System

Groundwater will be treated in-situ by injections of oxygen release compounds (ORC) to degrade petroleum hydrocarbons to harmless compounds.

100.79-1-2.11	Groundwater Treatment System

Groundwater will be treated in-situ by injections of oxygen release compounds (ORC) to degrade petroleum hydrocarbons to harmless compounds

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
☐	☒

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

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

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

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

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

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

YES	NO
☐	☒

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. 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. C915260

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 Timothy F. Hughes (print name) at C&S Engineers, Inc.141 Elm Street, Buffalo, New York 14203 (print business address)

am certifying as Kaleida Properties, Inc.; Kaleida Health and Conventus Partners, Inc. (Owner or Remedial Party)

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

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date: 4/10/20

IC/EC CERTIFICATIONS

Box 7

Professional Engineer 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 Timothy F. Hughes (print name) at C&S Engineers, Inc.141 Elm Street, Buffalo, New York 14203, (print business address)

am certifying as a Professional Engineer for the Kaleida Properties, Inc.; Kaleida Health and Conventus Partners, Inc. (Owner or Remedial Party)

STATE OF NEW YORK
TIMOTHY F. HUGHES
No. 084821
LICENSED PROFESSIONAL ENGINEER

Timothy F. Hughes — Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

4/10/20 — Date