2018

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.

JULY 2018

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APPENDICES

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 2017 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. 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.

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 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, 1997 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

Considering that gravity fed treatments were not reducing groundwater contaminants, during the reporting period pressure injections were completed to continue to reduce contaminant concentrations. 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 sections below describe the methods used to conduct two in-situ treatment events on May 24-25, 2017 and September 13-15, 2017.

<u>In situ Chemical Oxidizer (ISCO)</u>

The remedial method conducted during this reporting period is chemical oxidation using sodium percarbonate ($Na_2CO_3 \bullet 3\ H_2O_2$). Sodium percarbonate is a common oxidant and has demonstrated significant effectiveness in oxidizing petroleum hydrocarbons. By-products from the reaction include carbon dioxide, sodium chloride, water and carbonic acid; these by-products are non-toxic at the levels produced.

Sodium percarbonate has the potential to be the most persistent oxidant within the subsurface and thus can travel with groundwater to reach areas not accessible via surface injection.

The ISCO product is RegenOX manufactured by Regenesis. RegenOX is formulated to degrade petroleum hydrocarbons through direct oxidation and through the generation of free radical compounds which will also oxidize contaminants. RegenOx is a granulated crystalline that is mixed in water prior to subsurface injection. RegenOx was shipped in 40-pound plastic bags.

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.

Mixing of ISCO Chemicals

Trec Environmental, Inc. was contracted to perform the in situ injections. Injections were conducted on May 24 – 25, 2017 and September 13 – 15, 2017. RegenOX was mixed in steel, 55-gallon drums. Bags of ISCO product were carried to a trailer mounted mixing station.

ISCO product and water was mixed according to manufacturer's specifications. Injection borings received a 6% ISCO solution. 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.

Injection Borings

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

Injection borings (IB-01 through IB-12) are shown in **Figure 4**. 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.

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 May 2017 to July 2017*	*Percent Change Post Injections May 2017 to November 2017*	*Percent Change Post Remediation Maximum to November 2017*
BCP MW-1	--	--	-99.4
BCP MW-3	-83.5	+44.4	-81.0
BCP MW-4	-82.6	-96	-97.5
BCP MW-5	+66.9	+121.8	-50.1
BCP MW-6	+39.9	+736	+22.6
BCP MW-7	--	--	-96.1

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 May 2017 to July 2017*	*Percent Change Post Injections May 2017 to November 2017*	*Percent Change Post Remediation Maximum to November 2017*
BCP MW-1	--	--	-100
BCP MW-3	-98.9	+30.8	-85.2
BCP MW-4	-97.6	-96.2	-97.6
BCP MW-5	+41.4	+90.3	-56.8
BCP MW-6	+8.1	+762.3	+31.7
BCP MW-7	--	--	-96.6

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 July 2017 shows a significant decrease in VOC concentrations in monitoring wells BCP-MW-3 and BCP-MW-4. Other monitoring wells show an increase in concentrations. Post-treatment samples collected in November 2017 demonstrate a rebound of contaminant concentrations in three of the four treated monitoring wells.

The likely reason for this rebound is the desorption of petroleum contaminants previously adhered to the sand / gravel material. As groundwater concentrations decrease, any organic compounds adhered to the saturated media will become soluble, thus increasing groundwater contaminant concentrations. Any future monitoring events would provide additional information regarding this observation, but it is expected that these desorbed contaminants will be oxidized over time, thereby reducing contaminant concentrations.

Despite the recent increases in concentrations in three of the monitoring wells, overall contaminant concentrations are significantly lower than the maximum concentrations recorded following the soil and groundwater removal efforts. Although concentrations are higher in BCP-MW-6 than during previous sampling events, total VOC concentrations in other five monitoring wells have experienced decreases ranging from

50 to 99.4 percent, and the range in BTEX concentration decreases is 56.8 to 100 percent in these wells.

The poor response of BCP-MW-6 to past in-situ treatments and from pump/treat pilot tests may be related to the hydraulic communication between this monitoring well and the higher levels of contamination observed on the Main Street R.O.W.

The cleanup of groundwater contamination along Main Street continues to be addressed under the NYSDEC Spills Program (NYSDEC Spill #9500234) with a Stipulation Agreement between the NYSDEC and Kaleida Health. Kaleida Health is actively remediating the Main Street contamination with in-situ oxidative treatments.

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	October 7, 2015	December 8, 2016
March 19, 2014	December 14, 2015	January 20, 2017
May 22, 2014	January 27, 2016	May 17, 2017
March 11, 2015	March 22, 2016	July 5, 2017
June 17, 2015	June 3, 2016	November 2, 2017
August 3, 2015	October 25, 2016	

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 and on the Main Street R.O.W.

Based on the results described above, it appears that significant onsite groundwater remediation has reduced BTEX concentrations 56.8 to 100 percent in five monitoring wells. Results for one monitoring well, BCP-MW-6, lag behind the other wells due to offsite contaminant loading to the Site. Given that offsite efforts are being addressed under a different NYSDEC Program and responsible party, we request to meet with the NYSDEC to discuss these findings and their implications on deeming the remediation complete.

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

- C&S will subcontract to perform the drilling and injections.
- A total of six to ten borings will be advanced: three to five borings each around BCP-MW-5 and BCP-MW-6. Borings will be advanced to approximately 15 feet below the parking floor surface (30 feet below ground surface).
    - The borings proximal to BCP-MW-5 and BCP-MW6 will make use of borings created during the previous injection events.
- Borings will be advanced through the concrete floor of the parking garage to a depth that targets the saturated sand / gravel layer.
- 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-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.
- Following injection, soils removed from the borings will be placed back into the borehole from which it came and a high strength concrete mix will be used to repair the parking garage surface.
- Groundwater sampling will be conducted semi-annually on the all monitoring wells in the sub-basement of the Conventus Site. All groundwater samples will be collected for VOCs and analyzed using EPA Method 8260.

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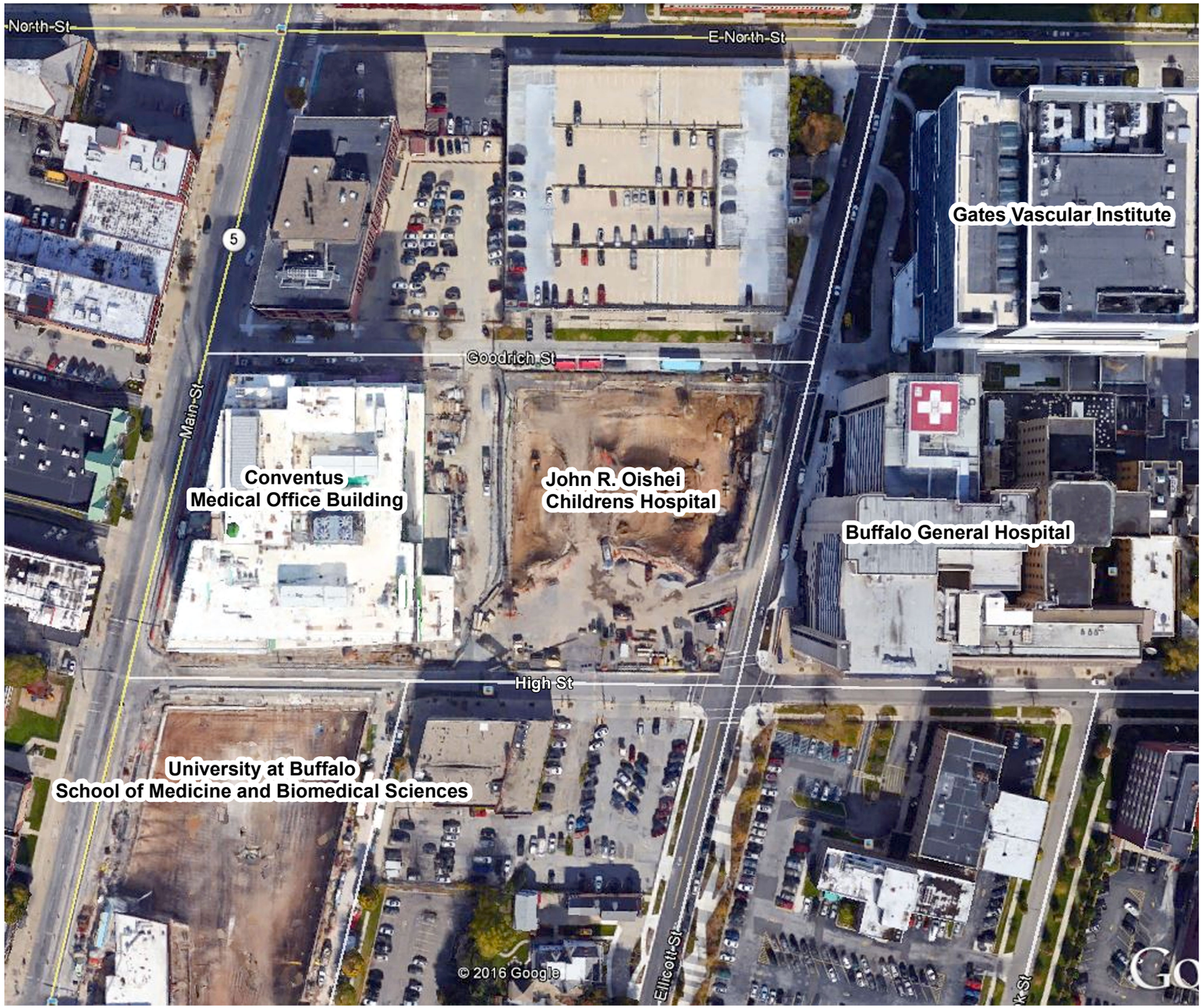
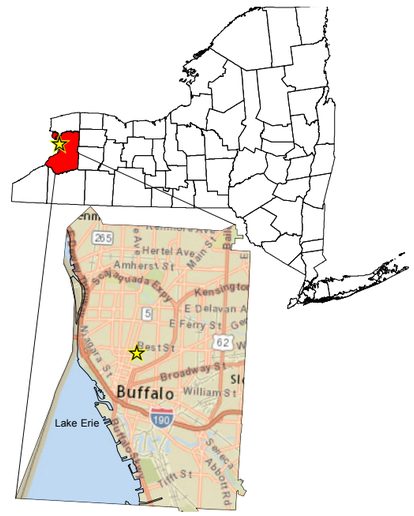
FIGURES





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C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
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FORMER MOBIL STATION 99-MST
979 MAIN ST (1001 MAIN ST)
PERIODIC REVIEW REPORT
BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION

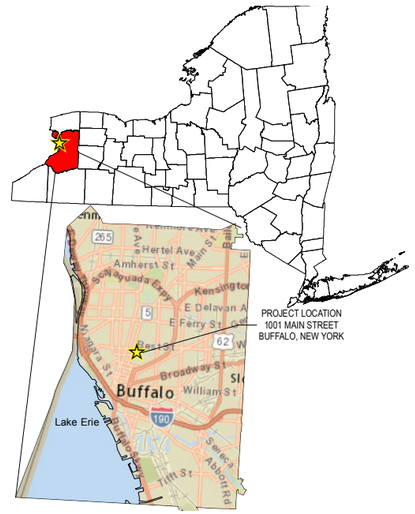
REVISIONS

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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Buffalo, New York 14203
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Fax: 716-847-1454
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FORMER MOBIL STATION 99-MST
979 MAIN ST (1001 MAIN ST)
BROWNFIELD CLEANUP PROGRAM
BUFFALO, NEW YORK

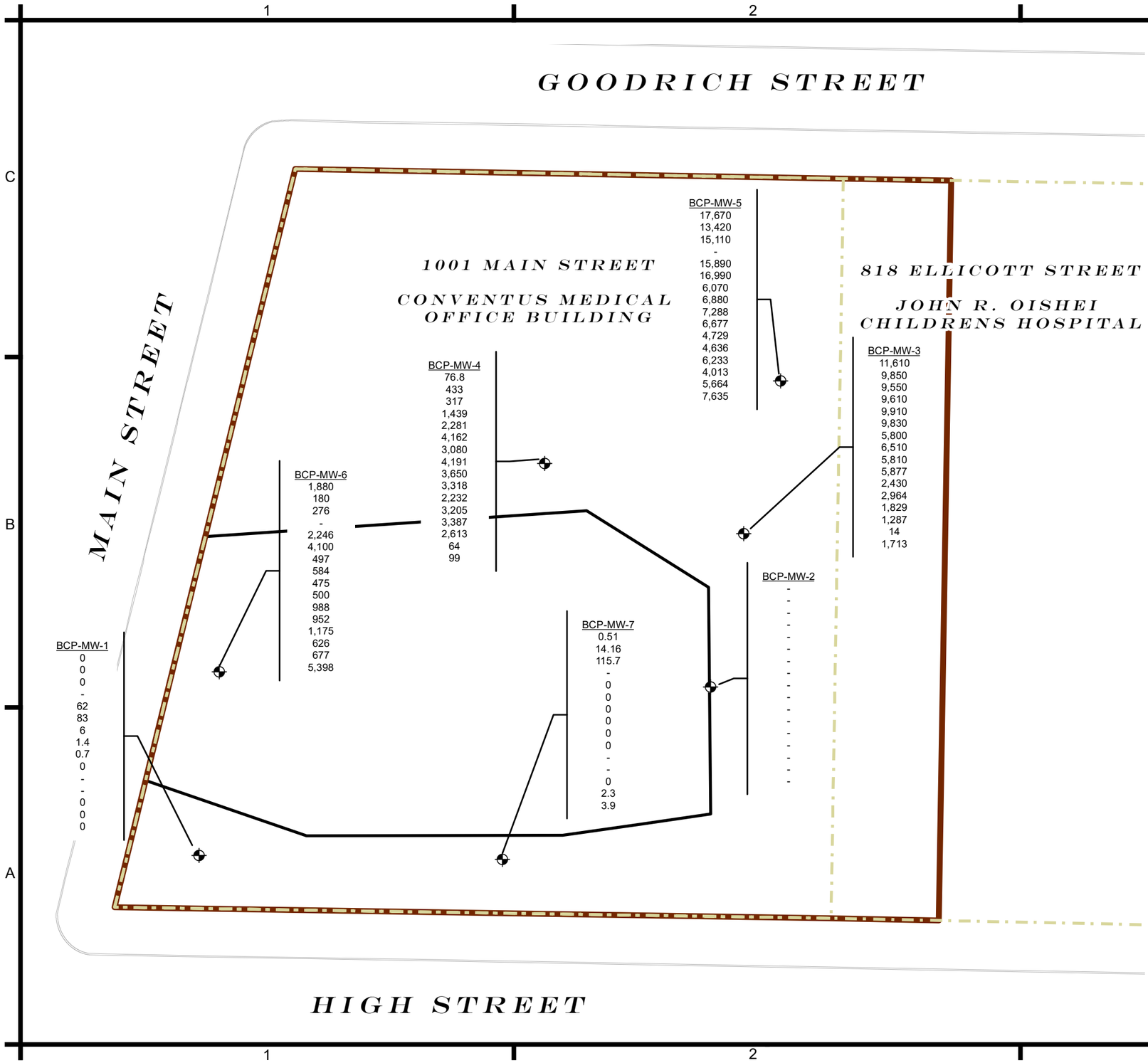
MARK	DATE	DESCRIPTION

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

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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141 Elm Street
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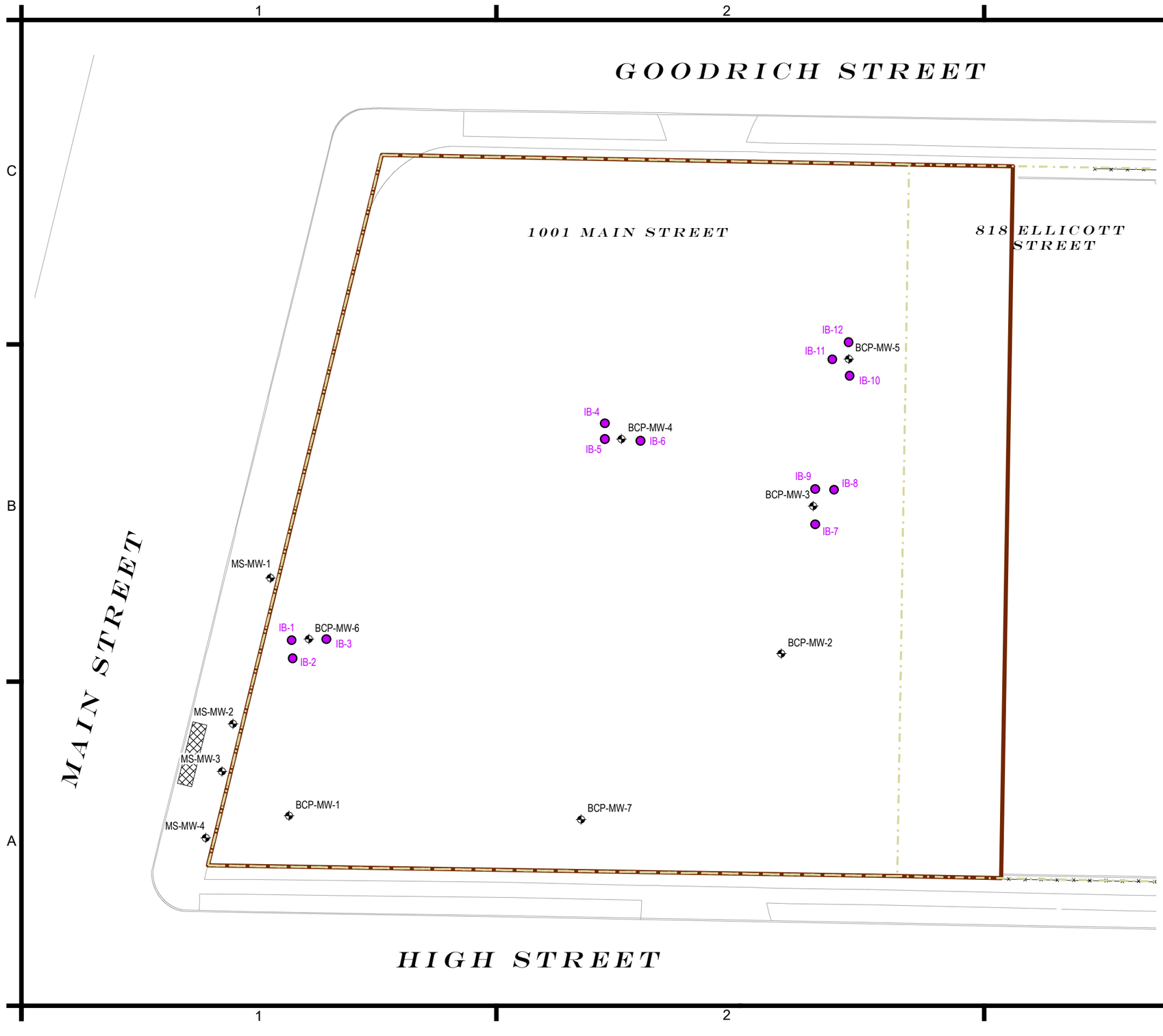
DATE:	JULY 2017
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	D. RIKER

HISTORIC BTEX CONCENTRATIONS

FIGURE 3

Path: F:\Project\K11 - Kaleida Health\K11.002.001 - MOB Brownfield Cleanup Program\Environmental-study\CADD-GIS\GIS\Projects\PRR\FIGURE_1_PRR.mxd



Legend

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

Property Note

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0 25 50 100 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:	JUNE 15, 2016
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	D. RIKER

INJECTION BORINGS

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
			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
			Matrix	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
NYSDEC Ambient Water Quality Standards & Guidance Values																		
Volatile Organic Compound	**Surface Water**	**Groundwater**																
2-HEXANONE	50	50		ND	ND	ND		ND	ND	3.5	ND	ND	ND			ND	ND	ND
ACETONE	50	50		ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	5.1	ND
BENZENE	1	1		ND	ND	ND		**35**	**39**	**5.7**	**1.4**	0.72	ND			ND	ND	0.33
ETHYLBENZENE	5	5		ND	ND	ND		2	1.5	ND	ND	ND	ND			ND	ND	ND
ISOPROPYLBENZENE (CUMENE)	5	5		ND	ND	ND		1.3	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
METHYLENE CHLORIDE	5	5		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
1,1,2-TRICHLOROETHANE	1	1		ND	ND	ND		ND	ND	ND	0.33 J	ND	ND			ND	ND	ND
XYLENES, TOTAL	5	5		ND	ND	ND		**6.4**	4.2	ND	ND	ND	ND			ND	ND	ND
NAPHTHALENE	10	10		ND	ND	ND		ND	ND	ND	0.33 J	ND	ND			ND	ND	ND
No Standard																		
CARBON DISULFIDE				ND	ND	0.94		ND	ND	ND	ND	ND	ND			ND	ND	ND
CYCLOHEXANE				ND	ND	ND		35	59	61	51	72	ND			ND	ND	ND
METHYL ISOBUTYL KETONE				ND	ND	ND		ND	13	ND	ND	ND	ND			ND	ND	ND
METHYLCYCLOHEXANE				ND	ND	0.47		3.2	17	15	11	ND	ND			ND	ND	ND
Total VOCs				**0**	**0**	**1.41**	**-**	**101.90**	**216.70**	**85.75**	**63.40**	**72.72**	**0**			**-**	**5.1**	**1.4**
Total BTEX				**0**	**0**	**0**	**-**	**62**	**83**	**6**	**1.4**	**0.7**	**0**			**0.0**	**0**	**0**
Non-Standard VOC List																		
1,3,5-TRIMETHYLBENZENE	5	5															ND	ND
1,2,4,5-TETRAMETHYLBENZENE	5	5															ND	ND
1,2,4-TRIMETHYLBENZENE	5	5															ND	ND
SEC-BUTYLBENZENE	5	5															ND	ND
N-PROPYLBENZENE	5	5															ND	ND
N-BUTYLBENZENE	5	5															ND	ND
P-ISOPROPYLTOLUENE																	ND	ND
1,4-DIETHYLBENZENE																	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
			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
			Matrix	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
NYSDEC Ambient Water Quality Standards & Guidance Values																			
Volatile Organic Compound	**Surface Water**	**Groundwater**																	
2-HEXANONE	50	50		ND	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	ND
ACETONE	50	50		ND	**98**	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**166**	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**
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**
ISOPROPYLBENZENE (CUMENE)	5	5		ND	**37**	ND	**32**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**8.7**
METHYL ETHYL KETONE (2-BUTANONE)	50	50		ND	**71**	ND	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**201**	**51.4**	**51.4**
METHYLENE CHLORIDE	5	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	**35**	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**
1,1,2-TRICHLOROETHANE	1	1		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**
NAPHTHALENE	10	10		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14**	**357**
No Standard																			
CARBON DISULFIDE				ND	ND	ND	0.31	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
METHYL ISOBUTYL KETONE				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
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**
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**
Non-Standard VOC List																			
1,3,5-TRIMETHYLBENZENE	5	5																ND	**133**
1,2,4,5-TETRAMETHYLBENZENE	5	5																ND	ND
1,2,4-TRIMETHYLBENZENE	5	5																4.9	**737**
SEC-BUTYLBENZENE	5	5																ND	ND
N-PROPYLBENZENE	5	5																ND	ND
N-BUTYLBENZENE	5	5																ND	ND
P-ISOPROPYLTOLUENE																		ND	ND
1,4-DIETHYLBENZENE																		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
			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
			Matrix	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
NYSDEC Ambient Water Quality Standards & Guidance Values																			
Volatile Organic Compound	**Surface Water**	**Groundwater**																	
2-HEXANONE	50	50		ND	ND	ND	1.7	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
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**
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**
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
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
METHYLENE CHLORIDE	5	5		ND	ND	1 J	ND	ND	ND	ND	**52**	ND	**42**	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
1,1,2-TRICHLOROETHANE	1	1		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
NAPHTHALENE	10	10		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND
No Standard																			
CARBON DISULFIDE				ND	ND	1.9 J	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
METHYL ISOBUTYL KETONE				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
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**
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**
Non-Standard VOC List																			
1,3,5-TRIMETHYLBENZENE	5	5																2	ND
1,2,4,5-TETRAMETHYLBENZENE	5	5																1.1	ND
1,2,4-TRIMETHYLBENZENE	5	5																1.1	ND
SEC-BUTYLBENZENE	5	5																ND	ND
N-PROPYLBENZENE	5	5																2.3	ND
N-BUTYLBENZENE	5	5																1.7	ND
P-ISOPROPYLTOLUENE																		ND	ND
1,4-DIETHYLBENZENE																		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
			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
			Matrix	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
NYSDEC Ambient Water Quality Standards & Guidance Values																			
Volatile Organic Compound	**Surface Water**	**Groundwater**																	
2-HEXANONE	50	50		11	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACETONE	50	50		ND	**520**	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.3	ND
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**
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**
ISOPROPYLBENZENE (CUMENE)	5	5		**28**	**29**	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**13.6**	ND
METHYL ETHYL KETONE (2-BUTANONE)	50	50		10	**350**	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1	ND
METHYLENE CHLORIDE	5	5		ND	ND	ND		ND	ND	ND	ND	**77**	**96**	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**
1,1,2-TRICHLOROETHANE	1	1		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**
NAPHTHALENE	10	10		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**730**	**1,030**
No Standard																			
CARBON DISULFIDE				ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND
CYCLOHEXANE				230	340	240		430	260	230	250	280	430	198	148	257	ND	257	238
METHYL ISOBUTYL KETONE				23	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLCYCLOHEXANE				100	170	150		190	130	92	100	100	140	67.5	58.4	92.8	49	92.8	106
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**
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**
Non-Standard VOC List																			
1,3,5-TRIMETHYLBENZENE	5	5																**823**	ND
1,2,4,5-TETRAMETHYLBENZENE	5	5																**135**	ND
1,2,4-TRIMETHYLBENZENE	5	5																**2,280**	**2,490**
SEC-BUTYLBENZENE	5	5																3.2	ND
N-PROPYLBENZENE	5	5																**34.8**	ND
N-BUTYLBENZENE	5	5																**43.3**	ND
P-ISOPROPYLTOLUENE																		5.7	ND
1,4-DIETHYLBENZENE																		347	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
			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
			Matrix	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
NYSDEC Ambient Water Quality Standards & Guidance Values																			
Volatile Organic Compound	**Surface Water**	**Groundwater**																	
2-HEXANONE	50	50		ND	ND	ND		190	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
BENZENE	1	1		**190**	**33**	**16**		**470**	**890**	**250**	**230**	**200**	**120**	**302**	**168**	**200**	**113**	**131**	**774**
ETHYLBENZENE	5	5		**130**	**20**	**31**		**36**	**210**	**22**	**44**	**67**	**50**	**163**	**169**	**173**	**175**	**85.5**	**154.0**
ISOPROPYLBENZENE (CUMENE)	5	5		4.4	ND	1.9 J			ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND
METHYL ETHYL KETONE (2-BUTANONE)	50	50		ND	ND	ND		110	ND	ND	ND	ND	ND	ND	ND	ND	ND	**19.6**	ND
METHYLENE CHLORIDE	5	5		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**
1,1,2-TRICHLOROETHANE	1	1		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**
NAPHTHALENE	10	10		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**86.6**	ND
No Standard																			
CARBON DISULFIDE				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
METHYL ISOBUTYL KETONE				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
Total VOCs				**1,998.4**	**196**	**424**	**-**	**3,466**	**4,508**	**583**	**715**	**595**	**615**	**1,101**	**983**	**1,212**	**661**	**925**	**5,526**
Total BTEX				**1,880**	**180**	**276**	**-**	**2,246**	**4,100**	**497**	**584**	**475**	**500**	**988**	**952**	**1,175**	**626**	**677**	**5,398**
Non-Standard VOC List																			
1,3,5-TRIMETHYLBENZENE	5	5																**74.3**	ND
1,2,4,5-TETRAMETHYLBENZENE	5	5																**14.3**	ND
1,2,4-TRIMETHYLBENZENE	5	5																**134**	ND
SEC-BUTYLBENZENE	5	5																	
N-PROPYLBENZENE	5	5																**11.3**	ND
N-BUTYLBENZENE	5	5																4.6	ND
P-ISOPROPYLTOLUENE																		1.6	1.6
1,4-DIETHYLBENZENE																		32.9	32.9

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
			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
			Matrix	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
NYSDEC Ambient Water Quality Standards & Guidance Values																			
Volatile Organic Compound	**Surface Water**	**Groundwater**																	
2-HEXANONE	50	50		ND	ND	4.8		ND	ND	ND	ND	ND	ND			ND	ND	ND	
ACETONE	50	50		ND	3	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	
BENZENE	1	1		0.51	**8.8**	**14**		ND	ND	ND	ND	ND	ND			ND	**2.3**	**2.81**	
ETHYLBENZENE	5	5		ND	ND	3		ND	ND	ND	ND	ND	ND			ND	ND	0	
ISOPROPYLBENZENE (CUMENE)	5	5		ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	0.45	
METHYL ETHYL KETONE (2-BUTANONE)	50	50		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	
TOLUENE	5	5		ND	0.56	4.7		ND	ND	ND	ND	ND	ND			ND	ND	1.1	
1,1,2-TRICHLOROETHANE	1	1																	
XYLENES, TOTAL	5	5		0.96	4.8	**94**		ND	ND	ND	0.99 J	ND	ND			ND	ND	ND	
NAPHTHALENE	10	10																	
No Standard																			
CARBON DISULFIDE				ND	ND	0.97		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	
METHYL ISOBUTYL KETONE				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	
Total VOCs				**1.47**	**23.16**	**136.17**	**-**	**0.18**	**-**	**0.71**	**-**	**-**	**-**	**-**	**-**	**-**	**2.30**	**5.35**	
Total BTEX				**0.51**	**14.16**	**115.7**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2.3**	**3.9**	
Non-Standard VOC List																			
1,3,5-TRIMETHYLBENZENE	5	5															ND	ND	
1,2,4,5-TETRAMETHYLBENZENE	5	5															ND	ND	
1,2,4-TRIMETHYLBENZENE	5	5															ND	ND	
SEC-BUTYLBENZENE	5	5																	
N-PROPYLBENZENE	5	5																	
N-BUTYLBENZENE	5	5																	
P-ISOPROPYLTOLUENE																			
1,4-DIETHYLBENZENE																			

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.

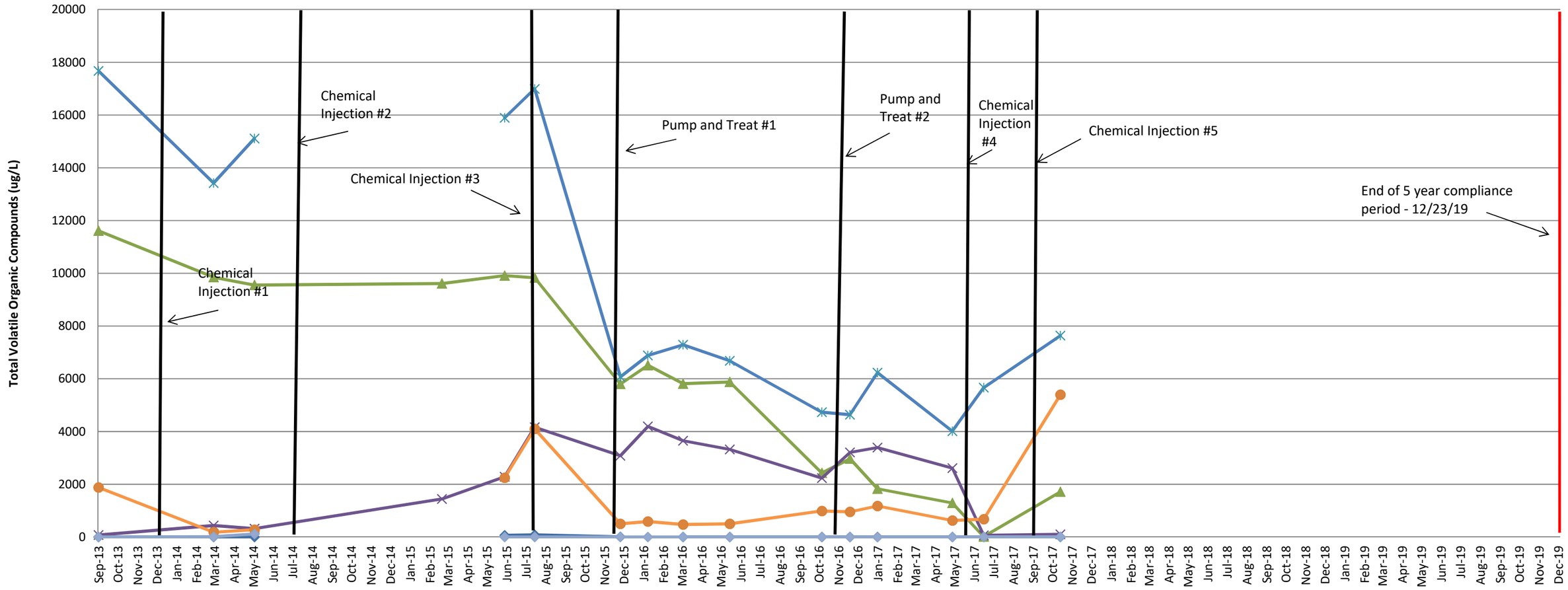
4) WG = groundwater

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
BCP MW-1	0	0	0		62	83	6.25		1	1	-	-	-	-	-	-
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
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
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
BCP MW-6	1,880	180	276		2,246	4,100	497	584	475	500	988	952	1,175	626	677	5,398
BCP MW-7	1	14.16	115.7		0	0	0	-	-	-	-	-	-	-	2.3	3.9

APPENDICES

APPENDIX A
LABORATORY ANALYTICAL RESULTS

ANALYTICAL REPORT

Lab Number:	L1742555
Client:	C&S Companies 141 Elm Street, Suite 100 Buffalo, NY 14203
ATTN:	Cody Martin
Phone:	(716) 847-1630
Project Name:	(N46) CONVENTUS
Project Number:	N46.001.001
Report Date:	11/30/17

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: (N46) CONVENTUS
Project Number: N46.001.001

Lab Number: L1742555
Report Date: 11/30/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1742555-01	BCP-MW-4	WATER	CONVENTUS	11/17/17 11:50	11/17/17

Project Name: (N46) CONVENTUS
Project Number: N46.001.001

Lab Number: L1742555
Report Date: 11/30/17

Case Narrative

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

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

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

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

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

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

Project Name: (N46) CONVENTUS
Project Number: N46.001.001
Lab Number: L1742555
Report Date: 11/30/17

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

L1742555-01: The sample was collected in a pre-preserved vial; however, the pH of the sample was determined to be greater than two. Samples that have a pH of greater than two should be analyzed within 7 days of collection; therefore, the sample was analyzed with the method required holding time exceeded.

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: Michelle M. Morris

Title: Technical Director/Representative Date: 11/30/17

ORGANICS

VOLATILES

Project Name: (N46) CONVENTUS
Project Number: N46.001.001
Lab Number: L1742555
Report Date: 11/30/17

SAMPLE RESULTS

Lab ID: L1742555-01
Client ID: BCP-MW-4
Sample Location: CONVENTUS

Date Collected: 11/17/17 11:50
Date Received: 11/17/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/29/17 11:30
Analyst: BD

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	1.0	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	0.20	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	0.48	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	97		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.8	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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: (N46) CONVENTUS **Lab Number:** L1742555

Project Number: N46.001.001 **Report Date:** 11/30/17

SAMPLE RESULTS

Lab ID: L1742555-01 Date Collected: 11/17/17 11:50

Client ID: BCP-MW-4 Date Received: 11/17/17

Sample Location: CONVENTUS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	10		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	0.74	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	5.5	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	2.4	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	84		70-130

Project Name: (N46) CONVENTUS
Project Number: N46.001.001
Lab Number: L1742555
Report Date: 11/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/29/17 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1067184-5					
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: (N46) CONVENTUS
Project Number: N46.001.001

Lab Number: L1742555
Report Date: 11/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/29/17 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1067184-5					
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

Tentatively Identified Compounds			
Total TIC Compounds	1.08	J	ug/l
Sulfur Dioxide	1.08	NJ	ug/l

Project Name: (N46) CONVENTUS
Project Number: N46.001.001

Lab Number: L1742555
Report Date: 11/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/29/17 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1067184-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: (N46) CONVENTUS

Project Number: N46.001.001

Lab Number: L1742555

Report Date: 11/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1067184-3 WG1067184-4								
Methylene chloride	92		90		70-130	2		20
1,1-Dichloroethane	95		95		70-130	0		20
Chloroform	90		90		70-130	0		20
Carbon tetrachloride	83		80		63-132	4		20
1,2-Dichloropropane	95		94		70-130	1		20
Dibromochloromethane	85		82		63-130	4		20
1,1,2-Trichloroethane	97		97		70-130	0		20
Tetrachloroethene	81		80		70-130	1		20
Chlorobenzene	92		90		75-130	2		20
Trichlorofluoromethane	93		91		62-150	2		20
1,2-Dichloroethane	94		92		70-130	2		20
1,1,1-Trichloroethane	88		86		67-130	2		20
Bromodichloromethane	86		85		67-130	1		20
trans-1,3-Dichloropropene	83		81		70-130	2		20
cis-1,3-Dichloropropene	80		78		70-130	3		20
Bromoform	84		82		54-136	2		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	95		94		70-130	1		20
Toluene	95		94		70-130	1		20
Ethylbenzene	95		94		70-130	1		20
Chloromethane	110		110		64-130	0		20
Bromomethane	91		90		39-139	1		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: (N46) CONVENTUS

Project Number: N46.001.001

Lab Number: L1742555

Report Date: 11/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1067184-3 WG1067184-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	99		98		61-145	1		20
trans-1,2-Dichloroethene	91		90		70-130	1		20
Trichloroethene	87		89		70-130	2		20
1,2-Dichlorobenzene	92		89		70-130	3		20
1,3-Dichlorobenzene	92		90		70-130	2		20
1,4-Dichlorobenzene	89		87		70-130	2		20
Methyl tert butyl ether	98		91		63-130	7		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	88		91		70-130	3		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	100		99		36-147	1		20
Acetone	83		80		58-148	4		20
Carbon disulfide	97		96		51-130	1		20
2-Butanone	82		87		63-138	6		20
4-Methyl-2-pentanone	85		85		59-130	0		20
2-Hexanone	65		62		57-130	5		20
Bromochloromethane	90		90		70-130	0		20
1,2-Dibromoethane	94		92		70-130	2		20
1,2-Dibromo-3-chloropropane	76		71		41-144	7		20
Isopropylbenzene	86		85		70-130	1		20
1,2,3-Trichlorobenzene	91		73		70-130	**22**	Q	20

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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1067184-3 WG1067184-4								
1,2,4-Trichlorobenzene	84		76		70-130	10		20
Methyl Acetate	88		85		70-130	3		20
Cyclohexane	93		93		70-130	0		20
1,4-Dioxane	110		100		56-162	10		20
Freon-113	100		99		70-130	1		20
Methyl cyclohexane	87		88		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	94		93		70-130

Project Name: (N46) CONVENTUS
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Lab Number: L1742555
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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(*)
L1742555-01A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L1742555-01B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L1742555-01C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	(N46) CONVENTUS	**Lab Number:**	L1742555
Project Number:	N46.001.001	**Report Date:**	11/30/17

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	(N46) CONVENTUS	**Lab Number:**	L1742555
Project Number:	N46.001.001	**Report Date:**	11/30/17

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	(N46) CONVENTUS	**Lab Number:**	L1742555
Project Number:	N46.001.001	**Report Date:**	11/30/17

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

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

Mansfield Facility:

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

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

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

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page of

Date Rec'd in Lab: 11/18/17

ALPHA Job #: L1742555

Client Information
Client: C&S Engineers, Inc.
Address: 141 Elm Street Suite 100
Phone: (716) 847-1630
Fax: (716) 847-1454
Email: cmartin@cscos.com

Project Information
Project Name: (N46) Conventus
Project Location: Conventus
Project # N46.001.001
(Use Project name as Project #) ☐
Project Manager: Cody Martin (please verify w/ 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 ☒ Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other TCL VOCs
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TCL VOCs

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	Sample Specific Comments
42555-01	BCP-MW-4	11/17/17	11:50 am	GW	AS	X	

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

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

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

Container Type	V								
Preservative	B								

Relinquished By:	Date/Time	Received By:	Date/Time
Ana Sayn	11/17/17 4:31 pm	Eric Snyder AHC	11/17/17 16:30
Eric Snyder AHC	11/17/17 1631		11/18/17 0100

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)

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
08-Nov-17 15:45

Laboratory Report
SC41135

C&S Engineers, Inc.
141 Elm Street
Suite 100
Buffalo, NY 14203

Project: Conventus - 1001 Main Street, NY
Project #: N46.001.001

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393

Authorized by:

Kimberly Laplante
Quality Assurance Manager

Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 35 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our 'Quality' web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC41135

Project: Conventus - 1001 Main Street, NY

Project Number: N46.001.001

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC41135-01	BCP-MW-6	Ground Water	02-Nov-17 10:50	04-Nov-17 10:20
SC41135-02	BCP-MW-1	Ground Water	02-Nov-17 11:35	04-Nov-17 10:20
SC41135-03	BCP-MW-7	Ground Water	02-Nov-17 12:25	04-Nov-17 10:20
SC41135-04	BCP-MW-3	Ground Water	02-Nov-17 13:50	04-Nov-17 10:20
SC41135-05	BCP-MW-5	Ground Water	02-Nov-17 14:45	04-Nov-17 10:20
SC41135-06	Trip Blank	Aqueous	02-Nov-17 00:00	04-Nov-17 10:20

CASE NARRATIVE:

Data has been reported to the RDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 2.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8260C

Calibration:

1710027

Analyte quantified by quadratic equation type calibration.

1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromo-3-chloropropane
1,3,5-Trimethylbenzene
1,3-Dichlorobenzene
Bromoform
cis-1,3-Dichloropropene
Ethylbenzene
Naphthalene
Styrene
trans-1,3-Dichloropropene

This affected the following samples:

1718835-BLK1
1718835-BLK2
1718835-BS1
1718835-BS2
1718835-BSD1
1718835-BSD2
1718908-BLK1
1718908-BS1
1718908-BS2
1718908-BSD1
1718908-BSD2
BCP-MW-1
BCP-MW-3
BCP-MW-5
BCP-MW-6
BCP-MW-7
S709132-ICV1
S709835-CCV1
S709877-CCV1
Trip Blank

Laboratory Control Samples:

1718835 BS/BSD

SW846 8260C

Laboratory Control Samples:

1718835 BS/BSD

1,1,2-Trichlorotrifluoroethane (Freon 113) percent recoveries (123/135) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bia

BCP-MW-1
BCP-MW-5
BCP-MW-6
BCP-MW-7
Trip Blank

Bromomethane percent recoveries (65/82) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

BCP-MW-1
BCP-MW-5
BCP-MW-6
BCP-MW-7
Trip Blank

Methyl acetate percent recoveries (157/163) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

BCP-MW-1
BCP-MW-5
BCP-MW-6
BCP-MW-7
Trip Blank

Methyl acetate percent recoveries (64/93) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

BCP-MW-1
BCP-MW-5
BCP-MW-6
BCP-MW-7
Trip Blank

Methylene chloride percent recoveries (126/133) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

BCP-MW-1
BCP-MW-5
BCP-MW-6
BCP-MW-7
Trip Blank

1718835 BSD

Bromomethane RPD 23% (20%) is outside individual acceptance criteria.

Carbon disulfide RPD 28% (20%) is outside individual acceptance criteria.

Methyl acetate RPD 38% (30%) is outside individual acceptance criteria.

Methylene chloride RPD 27% (20%) is outside individual acceptance criteria.

1718835-BS1

SW846 8260C

Laboratory Control Samples:

1718835-BS1

Analyte is found in the associated blank as well as in the sample (CLP B-flag).

1,2,4-Trichlorobenzene
Methyl acetate

1718835-BS2

Analyte is found in the associated blank as well as in the sample (CLP B-flag).

1,2,4-Trichlorobenzene
Methyl acetate

1718835-BSD1

Analyte is found in the associated blank as well as in the sample (CLP B-flag).

1,2,4-Trichlorobenzene
Methyl acetate

1718835-BSD2

Analyte is found in the associated blank as well as in the sample (CLP B-flag).

1,2,4-Trichlorobenzene
Methyl acetate

1718908 BS/BSD

1,1-Dichloroethene percent recoveries (130/135) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

BCP-MW-3

Methyl acetate percent recoveries (263/278) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

BCP-MW-3

Samples:

S709835-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1-Trichloroethane (21.1%)
Bromomethane (-24.1%)
Carbon tetrachloride (27.4%)
Methyl acetate (-36.5%)
Methylcyclohexane (20.7%)
Tetrachloroethene (23.4%)
Trichlorofluoromethane (Freon 11) (24.8%)

SW846 8260C

Samples:

S709835-CCV1

This affected the following samples:

1718835-BLK1
1718835-BLK2
1718835-BS1
1718835-BS2
1718835-BSD1
1718835-BSD2
BCP-MW-1
BCP-MW-5
BCP-MW-6
BCP-MW-7
Trip Blank

S709877-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (25.3%)
1,1-Dichloroethene (30.4%)
Bromomethane (-28.9%)
Carbon disulfide (20.8%)
Methylene chloride (24.2%)

This affected the following samples:

1718908-BLK1
1718908-BS1
1718908-BS2
1718908-BSD1
1718908-BSD2
BCP-MW-3

SC41135-01 *BCP-MW-6*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC41135-02 *BCP-MW-1*

Non-target concentration sufficient to be reported as one of the highest TICs.

Tert-Butanol / butyl alcohol

SC41135-03 *BCP-MW-7*

Non-target concentration sufficient to be reported as one of the highest TICs.

Tert-Butanol / butyl alcohol

SC41135-04 *BCP-MW-3*

Non-target concentration sufficient to be reported as one of the highest TICs.

1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Naphthalene

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC41135-05 *BCP-MW-5*

SW846 8260C

Samples:

SC41135-05 *BCP-MW-5*

Non-target concentration sufficient to be reported as one of the highest TICs.

1,2,4-Trimethylbenzene
Naphthalene

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8260C TICs

Samples:

SC41135-02 *BCP-MW-1*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

SC41135-04 *BCP-MW-3*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

SC41135-05 *BCP-MW-5*

(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Sample Acceptance Check Form

Client:	C&S Engineers, Inc. - Buffalo, NY
Project:	Conventus - 1001 Main Street, NY / N46.001.001
Work Order:	SC41135
Sample(s) received on:	11/4/2017

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☑	☐	☐
Were custody seals intact?	☑	☐	☐
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☐	☑	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Summary of Hits

Lab ID: SC41135-01 **Client ID:** BCP-MW-6

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Benzene	774	D	50.0	µg/l	SW846 8260C
Cyclohexane	84.0	J, D	250	µg/l	SW846 8260C
Ethylbenzene	154	D	50.0	µg/l	SW846 8260C
Methylcyclohexane	44.0	J, D	250	µg/l	SW846 8260C
Toluene	2970	D	50.0	µg/l	SW846 8260C
Total Xylenes	1500	D	150	µg/l	SW846 8260C

Lab ID: SC41135-02 **Client ID:** BCP-MW-1

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Benzene	0.33	J	1.00	µg/l	SW846 8260C
Ethylbenzene	0.40	J	1.00	µg/l	SW846 8260C
Tert-Butanol / butyl alcohol	15.6	NonTR	10.0	µg/l	SW846 8260C
Toluene	1.10		1.00	µg/l	SW846 8260C

Lab ID: SC41135-03 **Client ID:** BCP-MW-7

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Benzene	2.81		1.00	µg/l	SW846 8260C
Cyclohexane	0.99	J	5.00	µg/l	SW846 8260C
Ethylbenzene	0.45	J	1.00	µg/l	SW846 8260C
Isopropylbenzene	0.38	J	1.00	µg/l	SW846 8260C
Tert-Butanol / butyl alcohol	37.6	NonTR	10.0	µg/l	SW846 8260C
Toluene	0.61	J	1.00	µg/l	SW846 8260C

Lab ID: SC41135-04 **Client ID:** BCP-MW-3

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,2,4-Trimethylbenzene	737	NonTR	10.0	µg/l	SW846 8260C
1,3,5-Trimethylbenzene	133	NonTR	10.0	µg/l	SW846 8260C
Benzene	364	D	10.0	µg/l	SW846 8260C
Cyclohexane	60.5	D	50.0	µg/l	SW846 8260C
Ethylbenzene	384	D	10.0	µg/l	SW846 8260C
Isopropylbenzene	8.70	J, D	10.0	µg/l	SW846 8260C
Methyl acetate	31.9	J, D	50.0	µg/l	SW846 8260C
Methylcyclohexane	33.4	J, D	50.0	µg/l	SW846 8260C
Naphthalene	357	NonTR	10.0	µg/l	SW846 8260C
Toluene	34.8	D	10.0	µg/l	SW846 8260C
Total Xylenes	930	D	30.0	µg/l	SW846 8260C

Lab ID: SC41135-05 **Client ID:** BCP-MW-5

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,2,4-Trimethylbenzene	2490	NonTR	100	µg/l	SW846 8260C
Benzene	283	D	100	µg/l	SW846 8260C
Cyclohexane	238	J, D	500	µg/l	SW846 8260C
Ethylbenzene	1660	D	100	µg/l	SW846 8260C
Methylcyclohexane	106	J, D	500	µg/l	SW846 8260C
Naphthalene	1030	NonTR	100	µg/l	SW846 8260C
Toluene	82.0	J, D	100	µg/l	SW846 8260C
Total Xylenes	5610	D	300	µg/l	SW846 8260C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-6	N46.001.001	Ground Water	02-Nov-17 10:50	04-Nov-17
SC41135-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			GS1										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	U, D	µg/l	50.0	26.6	50	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
67-64-1	Acetone	< 500	U, D	µg/l	500	40.2	50	"	"	"	"	"	X
71-43-2	Benzene	**774**	D	µg/l	50.0	14.2	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 25.0	U, D	µg/l	25.0	20.8	50	"	"	"	"	"	X
75-25-2	Bromoform	< 50.0	U, D	µg/l	50.0	21.2	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 100	U, D	µg/l	100	44.8	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 100	U, D	µg/l	100	53.5	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 100	U, D	µg/l	100	20.6	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 50.0	U, D	µg/l	50.0	21.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 50.0	U, D	µg/l	50.0	12.4	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 100	U, D	µg/l	100	29.4	50	"	"	"	"	"	X
67-66-3	Chloroform	< 50.0	U, D	µg/l	50.0	16.3	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 100	U, D	µg/l	100	18.4	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 100	U, D	µg/l	100	43.2	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 25.0	U, D	µg/l	25.0	15.8	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 25.0	U, D	µg/l	25.0	10.1	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 50.0	U, D	µg/l	50.0	13.8	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 50.0	U, D	µg/l	50.0	15.7	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 50.0	U, D	µg/l	50.0	13.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 100	U, D	µg/l	100	29.2	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 50.0	U, D	µg/l	50.0	16.2	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 50.0	U, D	µg/l	50.0	13.8	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 50.0	U, D	µg/l	50.0	34.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 50.0	U, D	µg/l	50.0	16.4	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 50.0	U, D	µg/l	50.0	18.8	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 50.0	U, D	µg/l	50.0	14.6	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 25.0	U, D	µg/l	25.0	18.0	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 25.0	U, D	µg/l	25.0	17.4	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	**154**	D	µg/l	50.0	16.4	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 100	U, D	µg/l	100	26.4	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 50.0	U, D	µg/l	50.0	18.0	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 50.0	U, D	µg/l	50.0	11.8	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 100	U, D	µg/l	100	25.8	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 100	U, D	µg/l	100	33.0	50	"	"	"	"	"	X
100-42-5	Styrene	< 50.0	U, D	µg/l	50.0	20.2	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 25.0	U, D	µg/l	25.0	16.5	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 50.0	U, D	µg/l	50.0	28.5	50	"	"	"	"	"	X
108-88-3	Toluene	**2,970**	D	µg/l	50.0	15.0	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 50.0	U, D	µg/l	50.0	18.9	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 50.0	U, D	µg/l	50.0	25.4	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 50.0	U, D	µg/l	50.0	16.5	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 50.0	U, D	µg/l	50.0	24.8	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-6 SC41135-01	N46.001.001	Ground Water	02-Nov-17 10:50	04-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
75-69-4	Trichlorofluoromethane (Freon 11)	< 50.0	U, D	µg/l	50.0	24.4	50	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
75-01-4	Vinyl chloride	< 50.0	U, D	µg/l	50.0	23.6	50	"	"	"	"	"	X
1330-20-7	Total Xylenes	**1,500**	D	µg/l	150	150	50	"	"	"	"	"	X
110-82-7	Cyclohexane	**84.0**	J, D	µg/l	250	39.4	50	"	"	"	"	"	X
79-20-9	Methyl acetate	< 250	U, D	µg/l	250	32.4	50	"	"	"	"	"	X
108-87-2	Methylcyclohexane	**44.0**	J, D	µg/l	250	37.1	50	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*95*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**None found**		µg/l			50	SW846 8260C TICs	"	"	GMA	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-1	N46.001.001	Ground Water	02-Nov-17 11:35	04-Nov-17
SC41135-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.53	1	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.80	1	"	"	"	"	"	X
71-43-2	Benzene	**0.33**	J	µg/l	1.00	0.28	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.42	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.90	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	1.07	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.41	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.44	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.59	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.37	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.86	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.32	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.20	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.31	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.27	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.32	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.35	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	**0.40**	J	µg/l	1.00	0.33	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.53	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00	U	µg/l	1.00	0.24	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.52	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.66	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.40	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.57	1	"	"	"	"	"	X
108-88-3	Toluene	**1.10**		µg/l	1.00	0.30	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.51	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-1	N46.001.001	Ground Water	02-Nov-17 11:35	04-Nov-17
SC41135-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.49	1	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.47	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	**15.6**	NonTRG TIC	µg/l	10.0	5.90	1	"	"	"	"	"	X
1330-20-7	Total Xylenes	< 3.00	U	µg/l	3.00	3.00	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.79	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 5.00	U	µg/l	5.00	0.65	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.74	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS			J N										
79-29-8	Butane, 2,3-dimethyl-	**18**		µg/l			1	SW846 8260C TICs	"	"	GMA	"	
004850-28-6	Cyclopentane, 1,2,4-trimeth...	**7.5**		µg/l			1	"	"	"	"	"	
565-59-3	Pentane, 2,3-dimethyl-	**15**		µg/l			1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-7	N46.001.001	Ground Water	02-Nov-17 12:25	04-Nov-17
SC41135-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.53	1	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.80	1	"	"	"	"	"	X
71-43-2	Benzene	**2.81**		µg/l	1.00	0.28	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.42	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.90	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	1.07	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.41	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.44	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.59	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.37	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.86	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.32	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.20	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.31	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.27	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.32	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.35	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	**0.45**	J	µg/l	1.00	0.33	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.53	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**0.38**	J	µg/l	1.00	0.36	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00	U	µg/l	1.00	0.24	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.52	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.66	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.40	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.57	1	"	"	"	"	"	X
108-88-3	Toluene	**0.61**	J	µg/l	1.00	0.30	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.51	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-7	N46.001.001	Ground Water	02-Nov-17 12:25	04-Nov-17
SC41135-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.49	1	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.47	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	**37.6**	NonTRG TIC	µg/l	10.0	5.90	1	"	"	"	"	"	X
1330-20-7	Total Xylenes	< 3.00	U	µg/l	3.00	3.00	1	"	"	"	"	"	X
110-82-7	Cyclohexane	**0.99**	J	µg/l	5.00	0.79	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 5.00	U	µg/l	5.00	0.65	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.74	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*105*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	"	"	GMA	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-3	N46.001.001	Ground Water	02-Nov-17 13:50	04-Nov-17
SC41135-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			GS1										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 10.0	U, D	µg/l	10.0	5.32	10	SW846 8260C	08-Nov-17	08-Nov-17	GMA	1718908	X
67-64-1	Acetone	< 100	U, D	µg/l	100	8.04	10	"	"	"	"	"	X
71-43-2	Benzene	**364**	D	µg/l	10.0	2.84	10	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5.00	U, D	µg/l	5.00	4.17	10	"	"	"	"	"	X
75-25-2	Bromoform	< 10.0	U, D	µg/l	10.0	4.25	10	"	"	"	"	"	X
74-83-9	Bromomethane	< 20.0	U, D	µg/l	20.0	8.96	10	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 20.0	U, D	µg/l	20.0	10.7	10	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 20.0	U, D	µg/l	20.0	4.12	10	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 10.0	U, D	µg/l	10.0	4.37	10	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 10.0	U, D	µg/l	10.0	2.49	10	"	"	"	"	"	X
75-00-3	Chloroethane	< 20.0	U, D	µg/l	20.0	5.88	10	"	"	"	"	"	X
67-66-3	Chloroform	< 10.0	U, D	µg/l	10.0	3.26	10	"	"	"	"	"	X
74-87-3	Chloromethane	< 20.0	U, D	µg/l	20.0	3.68	10	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 20.0	U, D	µg/l	20.0	8.63	10	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.00	U, D	µg/l	5.00	3.17	10	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5.00	U, D	µg/l	5.00	2.02	10	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 10.0	U, D	µg/l	10.0	2.77	10	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 10.0	U, D	µg/l	10.0	3.14	10	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 10.0	U, D	µg/l	10.0	2.72	10	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 20.0	U, D	µg/l	20.0	5.84	10	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 10.0	U, D	µg/l	10.0	3.23	10	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 10.0	U, D	µg/l	10.0	2.77	10	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 10.0	U, D	µg/l	10.0	6.93	10	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 10.0	U, D	µg/l	10.0	3.27	10	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 10.0	U, D	µg/l	10.0	3.77	10	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 10.0	U, D	µg/l	10.0	2.92	10	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.00	U, D	µg/l	5.00	3.59	10	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5.00	U, D	µg/l	5.00	3.47	10	"	"	"	"	"	X
100-41-4	Ethylbenzene	**384**	D	µg/l	10.0	3.29	10	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 20.0	U, D	µg/l	20.0	5.28	10	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**8.70**	J, D	µg/l	10.0	3.60	10	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 10.0	U, D	µg/l	10.0	2.37	10	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 20.0	U, D	µg/l	20.0	5.15	10	"	"	"	"	"	X
75-09-2	Methylene chloride	< 20.0	U, D	µg/l	20.0	6.61	10	"	"	"	"	"	X
91-20-3	Naphthalene	**357**	NonTRG TIC, D	µg/l	10.0	3.51	10	"	"	"	"	"	X
100-42-5	Styrene	< 10.0	U, D	µg/l	10.0	4.05	10	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.00	U, D	µg/l	5.00	3.30	10	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 10.0	U, D	µg/l	10.0	5.70	10	"	"	"	"	"	X
108-88-3	Toluene	**34.8**	D	µg/l	10.0	2.99	10	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 10.0	U, D	µg/l	10.0	3.78	10	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 10.0	U, D	µg/l	10.0	5.09	10	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-3	N46.001.001	Ground Water	02-Nov-17 13:50	04-Nov-17
SC41135-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
79-00-5	1,1,2-Trichloroethane	< 10.0	U, D	µg/l	10.0	3.30	10	SW846 8260C	08-Nov-17	08-Nov-17	GMA	1718908	X
79-01-6	Trichloroethene	< 10.0	U, D	µg/l	10.0	4.97	10	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 10.0	U, D	µg/l	10.0	4.87	10	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**737**	NonTRG TIC, D	µg/l	10.0	3.55	10	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**133**	NonTRG TIC, D	µg/l	10.0	4.31	10	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 10.0	U, D	µg/l	10.0	4.72	10	"	"	"	"	"	X
1330-20-7	Total Xylenes	**930**	D	µg/l	30.0	30.0	10	"	"	"	"	"	X
110-82-7	Cyclohexane	**60.5**	D	µg/l	50.0	7.87	10	"	"	"	"	"	X
79-20-9	Methyl acetate	**31.9**	J, D	µg/l	50.0	6.47	10	"	"	"	"	"	X
108-87-2	Methylcyclohexane	**33.4**	J, D	µg/l	50.0	7.42	10	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*105*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS			J N										
	3-Phenylbut-1-ene	**160**	D	µg/l			10	SW846 8260C TICs	"	"	GMA	"	
95-36-3	Benzene, 1,2,3-trimethyl-	**150**	D	µg/l			10	"	"	"	"	"	
611-14-3	Benzene, 1-ethyl-2-methyl-	**190**	D	µg/l			10	"	"	"	"	"	
622-96-8	Benzene, 1-ethyl-4-methyl-	**270**	D	µg/l			10	"	"	"	"	"	
000527-84-4	Benzene, 1-methyl-2-(1-meth...	**150**	D	µg/l			10	"	"	"	"	"	
96-37-7	Cyclopentane, methyl-	**140**	D	µg/l			10	"	"	"	"	"	
000930-18-7	Cyclopropane, 1,2-dimethyl-...	**99**	D	µg/l			10	"	"	"	"	"	
496-11-7	Indane	**200**	D	µg/l			10	"	"	"	"	"	
109-66-0	Pentane	**110**	D	µg/l			10	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-5	N46.001.001	Ground Water	02-Nov-17 14:45	04-Nov-17
SC41135-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			GS1										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 100	U, D	µg/l	100	53.2	100	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
67-64-1	Acetone	< 1000	U, D	µg/l	1000	80.4	100	"	"	"	"	"	X
71-43-2	Benzene	**283**	D	µg/l	100	28.4	100	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 50.0	U, D	µg/l	50.0	41.7	100	"	"	"	"	"	X
75-25-2	Bromoform	< 100	U, D	µg/l	100	42.5	100	"	"	"	"	"	X
74-83-9	Bromomethane	< 200	U, D	µg/l	200	89.6	100	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 200	U, D	µg/l	200	107	100	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 200	U, D	µg/l	200	41.2	100	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 100	U, D	µg/l	100	43.7	100	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 100	U, D	µg/l	100	24.9	100	"	"	"	"	"	X
75-00-3	Chloroethane	< 200	U, D	µg/l	200	58.8	100	"	"	"	"	"	X
67-66-3	Chloroform	< 100	U, D	µg/l	100	32.6	100	"	"	"	"	"	X
74-87-3	Chloromethane	< 200	U, D	µg/l	200	36.8	100	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 200	U, D	µg/l	200	86.3	100	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 50.0	U, D	µg/l	50.0	31.7	100	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 50.0	U, D	µg/l	50.0	20.2	100	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 100	U, D	µg/l	100	27.7	100	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 100	U, D	µg/l	100	31.4	100	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 100	U, D	µg/l	100	27.2	100	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 200	U, D	µg/l	200	58.4	100	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 100	U, D	µg/l	100	32.3	100	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 100	U, D	µg/l	100	27.7	100	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 100	U, D	µg/l	100	69.3	100	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 100	U, D	µg/l	100	32.7	100	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 100	U, D	µg/l	100	37.7	100	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 100	U, D	µg/l	100	29.2	100	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 50.0	U, D	µg/l	50.0	35.9	100	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 50.0	U, D	µg/l	50.0	34.7	100	"	"	"	"	"	X
100-41-4	Ethylbenzene	**1,660**	D	µg/l	100	32.9	100	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 200	U, D	µg/l	200	52.8	100	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 100	U, D	µg/l	100	36.0	100	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 100	U, D	µg/l	100	23.7	100	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 200	U, D	µg/l	200	51.5	100	"	"	"	"	"	X
75-09-2	Methylene chloride	< 200	U, D	µg/l	200	66.1	100	"	"	"	"	"	X
91-20-3	Naphthalene	**1,030**	NonTRG TIC, D	µg/l	100	35.1	100	"	"	"	"	"	X
100-42-5	Styrene	< 100	U, D	µg/l	100	40.5	100	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 50.0	U, D	µg/l	50.0	33.0	100	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 100	U, D	µg/l	100	57.0	100	"	"	"	"	"	X
108-88-3	Toluene	**82.0**	J, D	µg/l	100	29.9	100	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 100	U, D	µg/l	100	37.8	100	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 100	U, D	µg/l	100	50.9	100	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BCP-MW-5 SC41135-05	N46.001.001	Ground Water	02-Nov-17 14:45	04-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
79-00-5	1,1,2-Trichloroethane	< 100	U, D	µg/l	100	33.0	100	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
79-01-6	Trichloroethene	< 100	U, D	µg/l	100	49.7	100	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 100	U, D	µg/l	100	48.7	100	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**2,490**	NonTRG TIC, D	µg/l	100	35.5	100	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 100	U, D	µg/l	100	47.2	100	"	"	"	"	"	X
1330-20-7	Total Xylenes	**5,610**	D	µg/l	300	300	100	"	"	"	"	"	X
110-82-7	Cyclohexane	**238**	J, D	µg/l	500	78.7	100	"	"	"	"	"	X
79-20-9	Methyl acetate	< 500	U, D	µg/l	500	64.7	100	"	"	"	"	"	X
108-87-2	Methylcyclohexane	**106**	J, D	µg/l	500	74.2	100	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS			J N										
95-36-3	Benzene, 1,2,3-trimethyl-	**630**	D	µg/l			100	SW846 8260C TICs	"	"	GMA	"	
611-14-3	Benzene, 1-ethyl-2-methyl-	**840**	D	µg/l			100	"	"	"	"	"	
96-37-7	Cyclopentane, methyl-	**550**	D	µg/l			100	"	"	"	"	"	
496-11-7	Indane	**550**	D	µg/l			100	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	N46.001.001	Aqueous	02-Nov-17 00:00	04-Nov-17
SC41135-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.53	1	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.80	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.42	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.90	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	1.07	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.41	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.44	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.59	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.37	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.86	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.32	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.20	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.31	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.27	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.32	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.69	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.36	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.35	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.53	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00	U	µg/l	1.00	0.24	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.52	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.66	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.40	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.57	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.51	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SC41135-06	N46.001.001	Aqueous	02-Nov-17 00:00	04-Nov-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.49	1	SW846 8260C	07-Nov-17	07-Nov-17	GMA	1718835	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.47	1	"	"	"	"	"	X
1330-20-7	Total Xylenes	< 3.00	U	µg/l	3.00	3.00	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.79	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 5.00	U	µg/l	5.00	0.65	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.74	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	"	"	GMA	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718835 - SW846 5030 Water MS										
Blank (1718835-BLK1)					Prepared & Analyzed: 07-Nov-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00						
Acetone	< 10.0	U	µg/l	10.0						
Benzene	< 1.00	U	µg/l	1.00						
Bromodichloromethane	< 0.50	U	µg/l	0.50						
Bromoform	< 1.00	U	µg/l	1.00						
Bromomethane	< 2.00	U	µg/l	2.00						
2-Butanone (MEK)	< 2.00	U	µg/l	2.00						
Carbon disulfide	< 2.00	U	µg/l	2.00						
Carbon tetrachloride	< 1.00	U	µg/l	1.00						
Chlorobenzene	< 1.00	U	µg/l	1.00						
Chloroethane	< 2.00	U	µg/l	2.00						
Chloroform	< 1.00	U	µg/l	1.00						
Chloromethane	< 2.00	U	µg/l	2.00						
1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00						
Dibromochloromethane	< 0.50	U	µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50						
1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00						
1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00						
1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00						
1,1-Dichloroethane	< 1.00	U	µg/l	1.00						
1,2-Dichloroethane	< 1.00	U	µg/l	1.00						
1,1-Dichloroethene	< 1.00	U	µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00						
1,2-Dichloropropane	< 1.00	U	µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50						
Ethylbenzene	< 1.00	U	µg/l	1.00						
2-Hexanone (MBK)	< 2.00	U	µg/l	2.00						
Isopropylbenzene	< 1.00	U	µg/l	1.00						
Methyl tert-butyl ether	< 1.00	U	µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00						
Methylene chloride	< 2.00	U	µg/l	2.00						
Styrene	< 1.00	U	µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50						
Tetrachloroethene	< 1.00	U	µg/l	1.00						
Toluene	< 1.00	U	µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00						
1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00						
1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00						
Trichloroethene	< 1.00	U	µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00						
Vinyl chloride	< 1.00	U	µg/l	1.00						
Total Xylenes	< 3.00	U	µg/l	3.00						
Cyclohexane	< 5.00	U	µg/l	5.00						
Methyl acetate	< 5.00	U	µg/l	5.00						
Methylcyclohexane	< 5.00	U	µg/l	5.00						
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/l		*50.0*		*102*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718835 - SW846 5030 Water MS										
Blank (1718835-BLK1)						Prepared & Analyzed: 07-Nov-17				
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Blank (1718835-BLK2)						Prepared & Analyzed: 07-Nov-17				
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.00	U, D	µg/l	5.00						
Acetone	< 50.0	U, D	µg/l	50.0						
Benzene	< 5.00	U, D	µg/l	5.00						
Bromodichloromethane	< 2.50	U, D	µg/l	2.50						
Bromoform	< 5.00	U, D	µg/l	5.00						
Bromomethane	< 10.0	U, D	µg/l	10.0						
2-Butanone (MEK)	< 10.0	U, D	µg/l	10.0						
Carbon disulfide	< 10.0	U, D	µg/l	10.0						
Carbon tetrachloride	< 5.00	U, D	µg/l	5.00						
Chlorobenzene	< 5.00	U, D	µg/l	5.00						
Chloroethane	< 10.0	U, D	µg/l	10.0						
Chloroform	**2.95**	J, D	µg/l	5.00						
Chloromethane	< 10.0	U, D	µg/l	10.0						
1,2-Dibromo-3-chloropropane	< 10.0	U, D	µg/l	10.0						
Dibromochloromethane	< 2.50	U, D	µg/l	2.50						
1,2-Dibromoethane (EDB)	< 2.50	U, D	µg/l	2.50						
1,2-Dichlorobenzene	< 5.00	U, D	µg/l	5.00						
1,3-Dichlorobenzene	< 5.00	U, D	µg/l	5.00						
1,4-Dichlorobenzene	< 5.00	U, D	µg/l	5.00						
Dichlorodifluoromethane (Freon12)	< 10.0	U, D	µg/l	10.0						
1,1-Dichloroethane	< 5.00	U, D	µg/l	5.00						
1,2-Dichloroethane	< 5.00	U, D	µg/l	5.00						
1,1-Dichloroethene	< 5.00	U, D	µg/l	5.00						
cis-1,2-Dichloroethene	< 5.00	U, D	µg/l	5.00						
trans-1,2-Dichloroethene	< 5.00	U, D	µg/l	5.00						
1,2-Dichloropropane	< 5.00	U, D	µg/l	5.00						
cis-1,3-Dichloropropene	< 2.50	U, D	µg/l	2.50						
trans-1,3-Dichloropropene	< 2.50	U, D	µg/l	2.50						
Ethylbenzene	< 5.00	U, D	µg/l	5.00						
2-Hexanone (MBK)	< 10.0	U, D	µg/l	10.0						
Isopropylbenzene	< 5.00	U, D	µg/l	5.00						
Methyl tert-butyl ether	< 5.00	U, D	µg/l	5.00						
4-Methyl-2-pentanone (MIBK)	< 10.0	U, D	µg/l	10.0						
Methylene chloride	< 10.0	U, D	µg/l	10.0						
Styrene	< 5.00	U, D	µg/l	5.00						
1,1,2,2-Tetrachloroethane	< 2.50	U, D	µg/l	2.50						
Tetrachloroethene	< 5.00	U, D	µg/l	5.00						
Toluene	< 5.00	U, D	µg/l	5.00						
1,2,4-Trichlorobenzene	**5.55**	D	µg/l	5.00						
1,1,1-Trichloroethane	< 5.00	U, D	µg/l	5.00						
1,1,2-Trichloroethane	< 5.00	U, D	µg/l	5.00						
Trichloroethene	< 5.00	U, D	µg/l	5.00						
Trichlorofluoromethane (Freon 11)	< 5.00	U, D	µg/l	5.00						
Vinyl chloride	< 5.00	U, D	µg/l	5.00						
Total Xylenes	< 15.0	U, D	µg/l	15.0						
Cyclohexane	< 25.0	U, D	µg/l	25.0						
Methyl acetate	**115**	D	µg/l	25.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718835 - SW846 5030 Water MS										
Blank (1718835-BLK2)					Prepared & Analyzed: 07-Nov-17					
Methylcyclohexane	< 25.0	U, D	µg/l	25.0						
Surrogate: 4-Bromofluorobenzene	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.3*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*51.2*		µg/l		*50.0*		*102*	*70-130*		
LCS (1718835-BS1)					Prepared & Analyzed: 07-Nov-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.4**		µg/l		20.0		102	70-130		
Acetone	**18.8**		µg/l		20.0		94	70-130		
Benzene	**23.8**		µg/l		20.0		119	70-130		
Bromodichloromethane	**22.8**		µg/l		20.0		114	70-130		
Bromoform	**21.4**		µg/l		20.0		107	70-130		
Bromomethane	**15.2**		µg/l		20.0		76	70-130		
2-Butanone (MEK)	**18.0**		µg/l		20.0		90	70-130		
Carbon disulfide	**17.3**		µg/l		20.0		86	70-130		
Carbon tetrachloride	**25.5**		µg/l		20.0		127	70-130		
Chlorobenzene	**22.0**		µg/l		20.0		110	70-130		
Chloroethane	**21.6**		µg/l		20.0		108	70-130		
Chloroform	**22.4**		µg/l		20.0		112	70-130		
Chloromethane	**16.9**		µg/l		20.0		85	70-130		
1,2-Dibromo-3-chloropropane	**18.9**		µg/l		20.0		95	70-130		
Dibromochloromethane	**23.5**		µg/l		20.0		118	70-130		
1,2-Dibromoethane (EDB)	**22.2**		µg/l		20.0		111	70-130		
1,2-Dichlorobenzene	**21.7**		µg/l		20.0		109	70-130		
1,3-Dichlorobenzene	**20.8**		µg/l		20.0		104	70-130		
1,4-Dichlorobenzene	**20.8**		µg/l		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	**23.1**		µg/l		20.0		116	70-130		
1,1-Dichloroethane	**23.0**		µg/l		20.0		115	70-130		
1,2-Dichloroethane	**22.5**		µg/l		20.0		112	70-130		
1,1-Dichloroethene	**23.6**		µg/l		20.0		118	70-130		
cis-1,2-Dichloroethene	**23.2**		µg/l		20.0		116	70-130		
trans-1,2-Dichloroethene	**23.6**		µg/l		20.0		118	70-130		
1,2-Dichloropropane	**21.9**		µg/l		20.0		109	70-130		
cis-1,3-Dichloropropene	**21.1**		µg/l		20.0		106	70-130		
trans-1,3-Dichloropropene	**22.8**		µg/l		20.0		114	70-130		
Ethylbenzene	**21.3**		µg/l		20.0		107	70-130		
2-Hexanone (MBK)	**19.5**		µg/l		20.0		98	70-130		
Isopropylbenzene	**22.5**		µg/l		20.0		112	70-130		
Methyl tert-butyl ether	**21.5**		µg/l		20.0		107	70-130		
4-Methyl-2-pentanone (MIBK)	**19.6**		µg/l		20.0		98	70-130		
Methylene chloride	**19.0**		µg/l		20.0		95	70-130		
Styrene	**20.4**		µg/l		20.0		102	70-130		
1,1,2,2-Tetrachloroethane	**20.3**		µg/l		20.0		101	70-130		
Tetrachloroethene	**24.7**		µg/l		20.0		123	70-130		
Toluene	**23.3**		µg/l		20.0		116	70-130		
1,2,4-Trichlorobenzene	**19.0**	B	µg/l		20.0		95	70-130		
1,1,1-Trichloroethane	**24.2**		µg/l		20.0		121	70-130		
1,1,2-Trichloroethane	**21.6**		µg/l		20.0		108	70-130		
Trichloroethene	**23.0**		µg/l		20.0		115	70-130		
Trichlorofluoromethane (Freon 11)	**25.0**		µg/l		20.0		125	70-130		
Vinyl chloride	**21.8**		µg/l		20.0		109	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718835 - SW846 5030 Water MS										
LCS (1718835-BS1)						Prepared & Analyzed: 07-Nov-17				
Cyclohexane	**23.4**		µg/l		20.0		117	70-130		
Methyl acetate	**12.7**	QM9, B	µg/l		20.0		64	70-130		
Methylcyclohexane	**24.1**		µg/l		20.0		121	70-130		
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*52.7*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		
LCS (1718835-BS2)						Prepared & Analyzed: 07-Nov-17				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**24.7**	D	µg/l		20.0		123	70-130		
Acetone	**20.0**	D	µg/l		20.0		100	70-130		
Benzene	**22.1**	D	µg/l		20.0		111	70-130		
Bromodichloromethane	**21.3**	D	µg/l		20.0		106	70-130		
Bromoform	**20.7**	D	µg/l		20.0		103	70-130		
Bromomethane	**13.0**	D	µg/l		20.0		65	70-130		
2-Butanone (MEK)	**19.5**	D	µg/l		20.0		98	70-130		
Carbon disulfide	**24.1**	D	µg/l		20.0		120	70-130		
Carbon tetrachloride	**23.2**	D	µg/l		20.0		116	70-130		
Chlorobenzene	**21.0**	D	µg/l		20.0		105	70-130		
Chloroethane	**19.7**	D	µg/l		20.0		98	70-130		
Chloroform	**22.3**	D	µg/l		20.0		112	70-130		
Chloromethane	**16.4**	D	µg/l		20.0		82	70-130		
1,2-Dibromo-3-chloropropane	**19.3**	D	µg/l		20.0		96	70-130		
Dibromochloromethane	**22.1**	D	µg/l		20.0		111	70-130		
1,2-Dibromoethane (EDB)	**21.0**	D	µg/l		20.0		105	70-130		
1,2-Dichlorobenzene	**20.8**	D	µg/l		20.0		104	70-130		
1,3-Dichlorobenzene	**20.4**	D	µg/l		20.0		102	70-130		
1,4-Dichlorobenzene	**20.4**	D	µg/l		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	**21.5**	D	µg/l		20.0		108	70-130		
1,1-Dichloroethane	**21.6**	D	µg/l		20.0		108	70-130		
1,2-Dichloroethane	**21.8**	D	µg/l		20.0		109	70-130		
1,1-Dichloroethene	**25.2**	D	µg/l		20.0		126	70-130		
cis-1,2-Dichloroethene	**22.2**	D	µg/l		20.0		111	70-130		
trans-1,2-Dichloroethene	**21.6**	D	µg/l		20.0		108	70-130		
1,2-Dichloropropane	**20.6**	D	µg/l		20.0		103	70-130		
cis-1,3-Dichloropropene	**21.7**	D	µg/l		20.0		108	70-130		
trans-1,3-Dichloropropene	**22.4**	D	µg/l		20.0		112	70-130		
Ethylbenzene	**20.5**	D	µg/l		20.0		102	70-130		
2-Hexanone (MBK)	**19.5**	D	µg/l		20.0		97	70-130		
Isopropylbenzene	**21.2**	D	µg/l		20.0		106	70-130		
Methyl tert-butyl ether	**20.4**	D	µg/l		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	**19.6**	D	µg/l		20.0		98	70-130		
Methylene chloride	**25.3**	D	µg/l		20.0		126	70-130		
Styrene	**20.3**	D	µg/l		20.0		101	70-130		
1,1,2,2-Tetrachloroethane	**20.1**	D	µg/l		20.0		101	70-130		
Tetrachloroethene	**22.4**	D	µg/l		20.0		112	70-130		
Toluene	**22.0**	D	µg/l		20.0		110	70-130		
1,2,4-Trichlorobenzene	**19.9**	D, B	µg/l		20.0		99	70-130		
1,1,1-Trichloroethane	**22.5**	D	µg/l		20.0		113	70-130		
1,1,2-Trichloroethane	**21.2**	D	µg/l		20.0		106	70-130		
Trichloroethene	**21.4**	D	µg/l		20.0		107	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718835 - SW846 5030 Water MS										
LCS (1718835-BS2)					Prepared & Analyzed: 07-Nov-17					
Trichlorofluoromethane (Freon 11)	**22.8**	D	µg/l		20.0		114	70-130		
Vinyl chloride	**19.8**	D	µg/l		20.0		99	70-130		
Cyclohexane	**22.0**	D	µg/l		20.0		110	70-130		
Methyl acetate	**31.4**	D, B	µg/l		20.0		157	70-130		
Methylcyclohexane	**23.0**	D	µg/l		20.0		115	70-130		
Surrogate: 4-Bromofluorobenzene	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*52.5*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*49.8*		µg/l		*50.0*		*100*	*70-130*		
LCS Dup (1718835-BSD1)					Prepared & Analyzed: 07-Nov-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**23.1**		µg/l		20.0		116	70-130	13	20
Acetone	**19.9**		µg/l		20.0		100	70-130	6	20
Benzene	**22.1**		µg/l		20.0		110	70-130	8	20
Bromodichloromethane	**21.4**		µg/l		20.0		107	70-130	7	20
Bromoform	**21.9**		µg/l		20.0		109	70-130	2	20
Bromomethane	**14.9**		µg/l		20.0		75	70-130	2	20
2-Butanone (MEK)	**20.1**		µg/l		20.0		101	70-130	11	20
Carbon disulfide	**23.0**	QR2	µg/l		20.0		115	70-130	28	20
Carbon tetrachloride	**22.7**		µg/l		20.0		113	70-130	12	20
Chlorobenzene	**21.4**		µg/l		20.0		107	70-130	3	20
Chloroethane	**18.9**		µg/l		20.0		95	70-130	13	20
Chloroform	**21.8**		µg/l		20.0		109	70-130	3	20
Chloromethane	**16.4**		µg/l		20.0		82	70-130	3	20
1,2-Dibromo-3-chloropropane	**19.9**		µg/l		20.0		100	70-130	5	20
Dibromochloromethane	**22.2**		µg/l		20.0		111	70-130	6	20
1,2-Dibromoethane (EDB)	**21.9**		µg/l		20.0		110	70-130	1	20
1,2-Dichlorobenzene	**21.1**		µg/l		20.0		106	70-130	3	20
1,3-Dichlorobenzene	**20.4**		µg/l		20.0		102	70-130	2	20
1,4-Dichlorobenzene	**20.8**		µg/l		20.0		104	70-130	0.3	20
Dichlorodifluoromethane (Freon12)	**20.4**		µg/l		20.0		102	70-130	13	20
1,1-Dichloroethane	**21.3**		µg/l		20.0		106	70-130	8	20
1,2-Dichloroethane	**21.6**		µg/l		20.0		108	70-130	4	20
1,1-Dichloroethene	**20.9**		µg/l		20.0		104	70-130	12	20
cis-1,2-Dichloroethene	**22.3**		µg/l		20.0		112	70-130	4	20
trans-1,2-Dichloroethene	**22.2**		µg/l		20.0		111	70-130	6	20
1,2-Dichloropropane	**19.9**		µg/l		20.0		100	70-130	9	20
cis-1,3-Dichloropropene	**20.6**		µg/l		20.0		103	70-130	3	20
trans-1,3-Dichloropropene	**21.6**		µg/l		20.0		108	70-130	6	20
Ethylbenzene	**20.4**		µg/l		20.0		102	70-130	4	20
2-Hexanone (MBK)	**22.0**		µg/l		20.0		110	70-130	12	20
Isopropylbenzene	**21.0**		µg/l		20.0		105	70-130	7	20
Methyl tert-butyl ether	**20.9**		µg/l		20.0		105	70-130	3	20
4-Methyl-2-pentanone (MIBK)	**20.4**		µg/l		20.0		102	70-130	4	20
Methylene chloride	**24.8**	QR2	µg/l		20.0		124	70-130	27	20
Styrene	**20.1**		µg/l		20.0		101	70-130	1	20
1,1,2,2-Tetrachloroethane	**20.3**		µg/l		20.0		101	70-130	0.1	20
Tetrachloroethene	**22.6**		µg/l		20.0		113	70-130	9	20
Toluene	**22.0**		µg/l		20.0		110	70-130	6	20
1,2,4-Trichlorobenzene	**19.0**	B	µg/l		20.0		95	70-130	0.1	20
1,1,1-Trichloroethane	**22.2**		µg/l		20.0		111	70-130	9	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718835 - SW846 5030 Water MS										
LCS Dup (1718835-BSD1)					Prepared & Analyzed: 07-Nov-17					
1,1,2-Trichloroethane	**22.4**		µg/l		20.0		112	70-130	4	20
Trichloroethene	**21.6**		µg/l		20.0		108	70-130	6	20
Trichlorofluoromethane (Freon 11)	**21.8**		µg/l		20.0		109	70-130	13	20
Vinyl chloride	**19.8**		µg/l		20.0		99	70-130	9	20
Cyclohexane	**21.4**		µg/l		20.0		107	70-130	9	30
Methyl acetate	**18.6**	QR5, B	µg/l		20.0		93	70-130	38	30
Methylcyclohexane	**21.2**		µg/l		20.0		106	70-130	13	30
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*50.6*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (1718835-BSD2)					Prepared & Analyzed: 07-Nov-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**27.0**	D	µg/l		20.0		135	70-130	9	20
Acetone	**21.4**	D	µg/l		20.0		107	70-130	7	20
Benzene	**23.4**	D	µg/l		20.0		117	70-130	6	20
Bromodichloromethane	**22.6**	D	µg/l		20.0		113	70-130	6	20
Bromoform	**22.2**	D	µg/l		20.0		111	70-130	7	20
Bromomethane	**16.4**	D	µg/l		20.0		82	70-130	23	20
2-Butanone (MEK)	**20.3**	D	µg/l		20.0		101	70-130	4	20
Carbon disulfide	**25.7**	D	µg/l		20.0		128	70-130	7	20
Carbon tetrachloride	**25.0**	D	µg/l		20.0		125	70-130	7	20
Chlorobenzene	**21.8**	D	µg/l		20.0		109	70-130	3	20
Chloroethane	**20.7**	D	µg/l		20.0		104	70-130	5	20
Chloroform	**23.2**	D	µg/l		20.0		116	70-130	4	20
Chloromethane	**17.4**	D	µg/l		20.0		87	70-130	6	20
1,2-Dibromo-3-chloropropane	**19.3**	D	µg/l		20.0		96	70-130	0.1	20
Dibromochloromethane	**23.4**	D	µg/l		20.0		117	70-130	5	20
1,2-Dibromoethane (EDB)	**22.2**	D	µg/l		20.0		111	70-130	6	20
1,2-Dichlorobenzene	**21.7**	D	µg/l		20.0		108	70-130	4	20
1,3-Dichlorobenzene	**21.7**	D	µg/l		20.0		108	70-130	6	20
1,4-Dichlorobenzene	**21.2**	D	µg/l		20.0		106	70-130	4	20
Dichlorodifluoromethane (Freon12)	**23.1**	D	µg/l		20.0		116	70-130	7	20
1,1-Dichloroethane	**23.0**	D	µg/l		20.0		115	70-130	6	20
1,2-Dichloroethane	**22.2**	D	µg/l		20.0		111	70-130	2	20
1,1-Dichloroethene	**23.6**	D	µg/l		20.0		118	70-130	7	20
cis-1,2-Dichloroethene	**23.3**	D	µg/l		20.0		116	70-130	5	20
trans-1,2-Dichloroethene	**23.2**	D	µg/l		20.0		116	70-130	7	20
1,2-Dichloropropane	**21.6**	D	µg/l		20.0		108	70-130	5	20
cis-1,3-Dichloropropene	**22.7**	D	µg/l		20.0		113	70-130	5	20
trans-1,3-Dichloropropene	**22.6**	D	µg/l		20.0		113	70-130	1	20
Ethylbenzene	**21.4**	D	µg/l		20.0		107	70-130	4	20
2-Hexanone (MBK)	**20.1**	D	µg/l		20.0		101	70-130	3	20
Isopropylbenzene	**22.4**	D	µg/l		20.0		112	70-130	5	20
Methyl tert-butyl ether	**21.3**	D	µg/l		20.0		106	70-130	4	20
4-Methyl-2-pentanone (MIBK)	**20.7**	D	µg/l		20.0		104	70-130	6	20
Methylene chloride	**26.7**	D	µg/l		20.0		133	70-130	5	20
Styrene	**21.8**	D	µg/l		20.0		109	70-130	7	20
1,1,2,2-Tetrachloroethane	**20.9**	D	µg/l		20.0		104	70-130	4	20
Tetrachloroethene	**24.3**	D	µg/l		20.0		122	70-130	8	20
Toluene	**23.4**	D	µg/l		20.0		117	70-130	6	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718835 - SW846 5030 Water MS										
LCS Dup (1718835-BSD2)					Prepared & Analyzed: 07-Nov-17					
1,2,4-Trichlorobenzene	**20.7**	D, B	µg/l		20.0		103	70-130	4	20
1,1,1-Trichloroethane	**24.2**	D	µg/l		20.0		121	70-130	7	20
1,1,2-Trichloroethane	**22.0**	D	µg/l		20.0		110	70-130	3	20
Trichloroethene	**23.3**	D	µg/l		20.0		116	70-130	9	20
Trichlorofluoromethane (Freon 11)	**24.7**	D	µg/l		20.0		123	70-130	8	20
Vinyl chloride	**21.0**	D	µg/l		20.0		105	70-130	6	20
Cyclohexane	**23.9**	D	µg/l		20.0		120	70-130	8	30
Methyl acetate	**32.6**	D, B	µg/l		20.0		163	70-130	4	30
Methylcyclohexane	**24.8**	D	µg/l		20.0		124	70-130	8	30
Surrogate: 4-Bromofluorobenzene	*52.4*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*52.6*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.5*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99*	*70-130*		
Batch 1718908 - SW846 5030 Water MS										
Blank (1718908-BLK1)					Prepared & Analyzed: 08-Nov-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00						
Acetone	< 10.0	U	µg/l	10.0						
Benzene	< 1.00	U	µg/l	1.00						
Bromodichloromethane	< 0.50	U	µg/l	0.50						
Bromoform	< 1.00	U	µg/l	1.00						
Bromomethane	< 2.00	U	µg/l	2.00						
2-Butanone (MEK)	< 2.00	U	µg/l	2.00						
Carbon disulfide	< 2.00	U	µg/l	2.00						
Carbon tetrachloride	< 1.00	U	µg/l	1.00						
Chlorobenzene	< 1.00	U	µg/l	1.00						
Chloroethane	< 2.00	U	µg/l	2.00						
Chloroform	< 1.00	U	µg/l	1.00						
Chloromethane	< 2.00	U	µg/l	2.00						
1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00						
Dibromochloromethane	< 0.50	U	µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50						
1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00						
1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00						
1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00						
1,1-Dichloroethane	< 1.00	U	µg/l	1.00						
1,2-Dichloroethane	< 1.00	U	µg/l	1.00						
1,1-Dichloroethene	< 1.00	U	µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00						
1,2-Dichloropropane	< 1.00	U	µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50						
Ethylbenzene	< 1.00	U	µg/l	1.00						
2-Hexanone (MBK)	< 2.00	U	µg/l	2.00						
Isopropylbenzene	< 1.00	U	µg/l	1.00						
Methyl tert-butyl ether	**0.37**	J	µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00						
Methylene chloride	< 2.00	U	µg/l	2.00						
Styrene	< 1.00	U	µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718908 - SW846 5030 Water MS										
Blank (1718908-BLK1)					Prepared & Analyzed: 08-Nov-17					
1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50						
Tetrachloroethene	< 1.00	U	µg/l	1.00						
Toluene	< 1.00	U	µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00						
1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00						
1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00						
Trichloroethene	< 1.00	U	µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00						
Vinyl chloride	< 1.00	U	µg/l	1.00						
Total Xylenes	< 3.00	U	µg/l	3.00						
Cyclohexane	< 5.00	U	µg/l	5.00						
Methyl acetate	< 5.00	U	µg/l	5.00						
Methylcyclohexane	< 5.00	U	µg/l	5.00						
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*51.6*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/l		*50.0*		*103*	*70-130*		
LCS (1718908-BS1)					Prepared & Analyzed: 08-Nov-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**25.0**		µg/l		20.0		125	70-130		
Acetone	**19.7**		µg/l		20.0		98	70-130		
Benzene	**21.9**		µg/l		20.0		109	70-130		
Bromodichloromethane	**21.6**		µg/l		20.0		108	70-130		
Bromoform	**21.5**		µg/l		20.0		107	70-130		
Bromomethane	**14.2**		µg/l		20.0		71	70-130		
2-Butanone (MEK)	**19.7**		µg/l		20.0		99	70-130		
Carbon disulfide	**24.2**		µg/l		20.0		121	70-130		
Carbon tetrachloride	**23.6**		µg/l		20.0		118	70-130		
Chlorobenzene	**21.0**		µg/l		20.0		105	70-130		
Chloroethane	**18.7**		µg/l		20.0		93	70-130		
Chloroform	**21.4**		µg/l		20.0		107	70-130		
Chloromethane	**16.8**		µg/l		20.0		84	70-130		
1,2-Dibromo-3-chloropropane	**18.1**		µg/l		20.0		90	70-130		
Dibromochloromethane	**22.9**		µg/l		20.0		115	70-130		
1,2-Dibromoethane (EDB)	**20.6**		µg/l		20.0		103	70-130		
1,2-Dichlorobenzene	**20.4**		µg/l		20.0		102	70-130		
1,3-Dichlorobenzene	**20.7**		µg/l		20.0		104	70-130		
1,4-Dichlorobenzene	**19.4**		µg/l		20.0		97	70-130		
Dichlorodifluoromethane (Freon12)	**20.6**		µg/l		20.0		103	70-130		
1,1-Dichloroethane	**21.2**		µg/l		20.0		106	70-130		
1,2-Dichloroethane	**22.0**		µg/l		20.0		110	70-130		
1,1-Dichloroethene	**26.1**		µg/l		20.0		130	70-130		
cis-1,2-Dichloroethene	**22.2**		µg/l		20.0		111	70-130		
trans-1,2-Dichloroethene	**22.0**		µg/l		20.0		110	70-130		
1,2-Dichloropropane	**20.1**		µg/l		20.0		100	70-130		
cis-1,3-Dichloropropene	**20.2**		µg/l		20.0		101	70-130		
trans-1,3-Dichloropropene	**21.5**		µg/l		20.0		108	70-130		
Ethylbenzene	**20.5**		µg/l		20.0		103	70-130		
2-Hexanone (MBK)	**18.9**		µg/l		20.0		95	70-130		
Isopropylbenzene	**21.5**		µg/l		20.0		107	70-130		
Methyl tert-butyl ether	**20.2**		µg/l		20.0		101	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718908 - SW846 5030 Water MS										
LCS (1718908-BS1)						Prepared & Analyzed: 08-Nov-17				
4-Methyl-2-pentanone (MIBK)	**18.1**		µg/l		20.0		91	70-130		
Methylene chloride	**24.8**		µg/l		20.0		124	70-130		
Styrene	**19.7**		µg/l		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	**19.4**		µg/l		20.0		97	70-130		
Tetrachloroethene	**23.1**		µg/l		20.0		116	70-130		
Toluene	**22.4**		µg/l		20.0		112	70-130		
1,2,4-Trichlorobenzene	**18.2**		µg/l		20.0		91	70-130		
1,1,1-Trichloroethane	**23.0**		µg/l		20.0		115	70-130		
1,1,2-Trichloroethane	**22.1**		µg/l		20.0		111	70-130		
Trichloroethene	**22.2**		µg/l		20.0		111	70-130		
Trichlorofluoromethane (Freon 11)	**22.9**		µg/l		20.0		115	70-130		
Vinyl chloride	**20.0**		µg/l		20.0		100	70-130		
Cyclohexane	**21.7**		µg/l		20.0		109	70-130		
Methyl acetate	**22.0**		µg/l		20.0		110	70-130		
Methylcyclohexane	**23.2**		µg/l		20.0		116	70-130		
Surrogate: 4-Bromofluorobenzene	*52.5*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.6*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*49.5*		µg/l		*50.0*		*99*	*70-130*		
LCS (1718908-BS2)						Prepared & Analyzed: 08-Nov-17				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**24.0**	D	µg/l		20.0		120	70-130		
Acetone	**21.1**	D	µg/l		20.0		105	70-130		
Benzene	**21.8**	D	µg/l		20.0		109	70-130		
Bromodichloromethane	**21.3**	D	µg/l		20.0		106	70-130		
Bromoform	**21.2**	D	µg/l		20.0		106	70-130		
Bromomethane	**14.3**	D	µg/l		20.0		71	70-130		
2-Butanone (MEK)	**19.6**	D	µg/l		20.0		98	70-130		
Carbon disulfide	**21.8**	D	µg/l		20.0		109	70-130		
Carbon tetrachloride	**23.0**	D	µg/l		20.0		115	70-130		
Chlorobenzene	**20.7**	D	µg/l		20.0		104	70-130		
Chloroethane	**17.4**	D	µg/l		20.0		87	70-130		
Chloroform	**22.0**	D	µg/l		20.0		110	70-130		
Chloromethane	**15.2**	D	µg/l		20.0		76	70-130		
1,2-Dibromo-3-chloropropane	**20.0**	D	µg/l		20.0		100	70-130		
Dibromochloromethane	**22.5**	D	µg/l		20.0		112	70-130		
1,2-Dibromoethane (EDB)	**22.6**	D	µg/l		20.0		113	70-130		
1,2-Dichlorobenzene	**20.8**	D	µg/l		20.0		104	70-130		
1,3-Dichlorobenzene	**20.2**	D	µg/l		20.0		101	70-130		
1,4-Dichlorobenzene	**20.3**	D	µg/l		20.0		101	70-130		
Dichlorodifluoromethane (Freon12)	**18.0**	D	µg/l		20.0		90	70-130		
1,1-Dichloroethane	**21.2**	D	µg/l		20.0		106	70-130		
1,2-Dichloroethane	**22.0**	D	µg/l		20.0		110	70-130		
1,1-Dichloroethene	**23.3**	D	µg/l		20.0		116	70-130		
cis-1,2-Dichloroethene	**21.9**	D	µg/l		20.0		110	70-130		
trans-1,2-Dichloroethene	**21.1**	D	µg/l		20.0		106	70-130		
1,2-Dichloropropane	**20.7**	D	µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	**21.7**	D	µg/l		20.0		108	70-130		
trans-1,3-Dichloropropene	**22.9**	D	µg/l		20.0		115	70-130		
Ethylbenzene	**19.9**	D	µg/l		20.0		99	70-130		
2-Hexanone (MBK)	**20.6**	D	µg/l		20.0		103	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718908 - SW846 5030 Water MS										
LCS (1718908-BS2)					Prepared & Analyzed: 08-Nov-17					
Isopropylbenzene	**21.3**	D	µg/l		20.0		106	70-130		
Methyl tert-butyl ether	**21.0**	D	µg/l		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	**21.0**	D	µg/l		20.0		105	70-130		
Methylene chloride	**23.7**	D	µg/l		20.0		118	70-130		
Styrene	**20.2**	D	µg/l		20.0		101	70-130		
1,1,2,2-Tetrachloroethane	**20.3**	D	µg/l		20.0		101	70-130		
Tetrachloroethene	**23.4**	D	µg/l		20.0		117	70-130		
Toluene	**22.3**	D	µg/l		20.0		112	70-130		
1,2,4-Trichlorobenzene	**19.8**	D	µg/l		20.0		99	70-130		
1,1,1-Trichloroethane	**22.5**	D	µg/l		20.0		113	70-130		
1,1,2-Trichloroethane	**21.8**	D	µg/l		20.0		109	70-130		
Trichloroethene	**21.6**	D	µg/l		20.0		108	70-130		
Trichlorofluoromethane (Freon 11)	**21.6**	D	µg/l		20.0		108	70-130		
Vinyl chloride	**17.4**	D	µg/l		20.0		87	70-130		
Cyclohexane	**21.3**	D	µg/l		20.0		107	70-130		
Methyl acetate	**52.5**	D	µg/l		20.0		263	70-130		
Methylcyclohexane	**22.2**	D	µg/l		20.0		111	70-130		
Surrogate: 4-Bromofluorobenzene	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		
LCS Dup (1718908-BSD1)					Prepared & Analyzed: 08-Nov-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**23.9**		µg/l		20.0		119	70-130	5	20
Acetone	**20.2**		µg/l		20.0		101	70-130	2	20
Benzene	**21.8**		µg/l		20.0		109	70-130	0.4	20
Bromodichloromethane	**21.7**		µg/l		20.0		109	70-130	0.6	20
Bromoform	**20.5**		µg/l		20.0		102	70-130	5	20
Bromomethane	**14.4**		µg/l		20.0		72	70-130	2	20
2-Butanone (MEK)	**18.9**		µg/l		20.0		95	70-130	4	20
Carbon disulfide	**23.5**		µg/l		20.0		117	70-130	3	20
Carbon tetrachloride	**23.7**		µg/l		20.0		119	70-130	0.5	20
Chlorobenzene	**20.6**		µg/l		20.0		103	70-130	2	20
Chloroethane	**19.6**		µg/l		20.0		98	70-130	5	20
Chloroform	**21.4**		µg/l		20.0		107	70-130	0.2	20
Chloromethane	**16.3**		µg/l		20.0		82	70-130	3	20
1,2-Dibromo-3-chloropropane	**17.8**		µg/l		20.0		89	70-130	2	20
Dibromochloromethane	**22.9**		µg/l		20.0		115	70-130	0	20
1,2-Dibromoethane (EDB)	**20.9**		µg/l		20.0		104	70-130	2	20
1,2-Dichlorobenzene	**20.2**		µg/l		20.0		101	70-130	1	20
1,3-Dichlorobenzene	**19.7**		µg/l		20.0		98	70-130	5	20
1,4-Dichlorobenzene	**20.0**		µg/l		20.0		100	70-130	3	20
Dichlorodifluoromethane (Freon12)	**20.8**		µg/l		20.0		104	70-130	1	20
1,1-Dichloroethane	**20.9**		µg/l		20.0		104	70-130	1	20
1,2-Dichloroethane	**21.8**		µg/l		20.0		109	70-130	0.9	20
1,1-Dichloroethene	**27.1**	QM9	µg/l		20.0		135	70-130	4	20
cis-1,2-Dichloroethene	**21.6**		µg/l		20.0		108	70-130	3	20
trans-1,2-Dichloroethene	**22.2**		µg/l		20.0		111	70-130	1	20
1,2-Dichloropropane	**20.0**		µg/l		20.0		100	70-130	0.4	20
cis-1,3-Dichloropropene	**20.1**		µg/l		20.0		100	70-130	0.4	20
trans-1,3-Dichloropropene	**21.1**		µg/l		20.0		106	70-130	2	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718908 - SW846 5030 Water MS										
LCS Dup (1718908-BSD1)						Prepared & Analyzed: 08-Nov-17				
Ethylbenzene	**19.8**		µg/l		20.0		99	70-130	3	20
2-Hexanone (MBK)	**18.8**		µg/l		20.0		94	70-130	0.7	20
Isopropylbenzene	**20.6**		µg/l		20.0		103	70-130	4	20
Methyl tert-butyl ether	**20.1**		µg/l		20.0		100	70-130	0.5	20
4-Methyl-2-pentanone (MIBK)	**18.2**		µg/l		20.0		91	70-130	0.3	20
Methylene chloride	**25.4**		µg/l		20.0		127	70-130	2	20
Styrene	**19.8**		µg/l		20.0		99	70-130	0.5	20
1,1,2,2-Tetrachloroethane	**18.6**		µg/l		20.0		93	70-130	5	20
Tetrachloroethene	**22.8**		µg/l		20.0		114	70-130	1	20
Toluene	**21.6**		µg/l		20.0		108	70-130	3	20
1,2,4-Trichlorobenzene	**18.5**		µg/l		20.0		92	70-130	2	20
1,1,1-Trichloroethane	**23.0**		µg/l		20.0		115	70-130	0.2	20
1,1,2-Trichloroethane	**21.4**		µg/l		20.0		107	70-130	3	20
Trichloroethene	**22.0**		µg/l		20.0		110	70-130	1	20
Trichlorofluoromethane (Freon 11)	**21.8**		µg/l		20.0		109	70-130	5	20
Vinyl chloride	**19.2**		µg/l		20.0		96	70-130	4	20
Cyclohexane	**21.9**		µg/l		20.0		109	70-130	0.6	30
Methyl acetate	**20.1**		µg/l		20.0		101	70-130	9	30
Methylcyclohexane	**22.1**		µg/l		20.0		110	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*51.5*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*51.7*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/l		*50.0*		*100*	*70-130*		
LCS Dup (1718908-BSD2)						Prepared & Analyzed: 08-Nov-17				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**25.8**	D	µg/l		20.0		129	70-130	7	20
Acetone	**21.5**	D	µg/l		20.0		108	70-130	2	20
Benzene	**22.4**	D	µg/l		20.0		112	70-130	3	20
Bromodichloromethane	**22.7**	D	µg/l		20.0		114	70-130	7	20
Bromoform	**22.1**	D	µg/l		20.0		110	70-130	4	20
Bromomethane	**15.3**	D	µg/l		20.0		76	70-130	7	20
2-Butanone (MEK)	**21.9**	D	µg/l		20.0		109	70-130	11	20
Carbon disulfide	**23.0**	D	µg/l		20.0		115	70-130	6	20
Carbon tetrachloride	**24.2**	D	µg/l		20.0		121	70-130	5	20
Chlorobenzene	**21.3**	D	µg/l		20.0		107	70-130	3	20
Chloroethane	**18.8**	D	µg/l		20.0		94	70-130	8	20
Chloroform	**22.3**	D	µg/l		20.0		112	70-130	1	20
Chloromethane	**16.2**	D	µg/l		20.0		81	70-130	6	20
1,2-Dibromo-3-chloropropane	**19.1**	D	µg/l		20.0		95	70-130	5	20
Dibromochloromethane	**23.9**	D	µg/l		20.0		119	70-130	6	20
1,2-Dibromoethane (EDB)	**22.4**	D	µg/l		20.0		112	70-130	0.7	20
1,2-Dichlorobenzene	**21.4**	D	µg/l		20.0		107	70-130	3	20
1,3-Dichlorobenzene	**20.8**	D	µg/l		20.0		104	70-130	3	20
1,4-Dichlorobenzene	**20.8**	D	µg/l		20.0		104	70-130	3	20
Dichlorodifluoromethane (Freon12)	**19.1**	D	µg/l		20.0		95	70-130	6	20
1,1-Dichloroethane	**21.6**	D	µg/l		20.0		108	70-130	2	20
1,2-Dichloroethane	**22.9**	D	µg/l		20.0		115	70-130	4	20
1,1-Dichloroethene	**21.2**	D	µg/l		20.0		106	70-130	9	20
cis-1,2-Dichloroethene	**22.9**	D	µg/l		20.0		115	70-130	4	20
trans-1,2-Dichloroethene	**21.2**	D	µg/l		20.0		106	70-130	0.6	20
1,2-Dichloropropane	**21.2**	D	µg/l		20.0		106	70-130	3	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1718908 - SW846 5030 Water MS										
LCS Dup (1718908-BSD2)					Prepared & Analyzed: 08-Nov-17					
cis-1,3-Dichloropropene	**22.9**	D	µg/l		20.0		114	70-130	5	20
trans-1,3-Dichloropropene	**23.9**	D	µg/l		20.0		120	70-130	4	20
Ethylbenzene	**20.8**	D	µg/l		20.0		104	70-130	4	20
2-Hexanone (MBK)	**22.2**	D	µg/l		20.0		111	70-130	7	20
Isopropylbenzene	**21.5**	D	µg/l		20.0		108	70-130	1	20
Methyl tert-butyl ether	**21.2**	D	µg/l		20.0		106	70-130	1	20
4-Methyl-2-pentanone (MIBK)	**22.4**	D	µg/l		20.0		112	70-130	6	20
Methylene chloride	**26.0**	D	µg/l		20.0		130	70-130	9	20
Styrene	**21.0**	D	µg/l		20.0		105	70-130	4	20
1,1,2,2-Tetrachloroethane	**20.6**	D	µg/l		20.0		103	70-130	2	20
Tetrachloroethene	**23.6**	D	µg/l		20.0		118	70-130	0.8	20
Toluene	**22.6**	D	µg/l		20.0		113	70-130	1	20
1,2,4-Trichlorobenzene	**21.1**	D	µg/l		20.0		106	70-130	7	20
1,1,1-Trichloroethane	**23.0**	D	µg/l		20.0		115	70-130	2	20
1,1,2-Trichloroethane	**22.2**	D	µg/l		20.0		111	70-130	2	20
Trichloroethene	**23.0**	D	µg/l		20.0		115	70-130	6	20
Trichlorofluoromethane (Freon 11)	**22.4**	D	µg/l		20.0		112	70-130	3	20
Vinyl chloride	**18.1**	D	µg/l		20.0		90	70-130	4	20
Cyclohexane	**22.6**	D	µg/l		20.0		113	70-130	6	30
Methyl acetate	**55.6**	D	µg/l		20.0		278	70-130	6	30
Methylcyclohexane	**23.7**	D	µg/l		20.0		119	70-130	7	30
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*49.5*		µg/l		*50.0*		*99*	*70-130*		
SW846 8260C TICs										
Batch 1718835 - SW846 5030 Water MS										
Blank (1718835-BLK1)					Prepared & Analyzed: 07-Nov-17					
Tentatively Identified Compounds	**None found**		µg/l							
Batch 1718908 - SW846 5030 Water MS										
Blank (1718908-BLK1)					Prepared & Analyzed: 08-Nov-17					
Tentatively Identified Compounds	**None found**		µg/l							

Notes and Definitions

B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
J N	(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.
NonTRG TIC	Non-target concentration sufficient to be reported as one of the highest TICs.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

SC41135 · 8

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- [X] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, NY 14203

Invoice To: C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, NY 14203

Project No: N46.001.001
Site Name: Conventus
Location: 1001 Main Street State: NY
Sampler(s): A.S.

Telephone #: (716) 847-1630
Project Mgr: Cody Martin cmartin@cscos.com P.O No.: _____ Quote #: _____

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs (8260) attached list	Check if chlorinated
SC41135-01	BCP-MW-6	11/2/17	10:50 am		GW	3				X	☐
02	BCP-MW-1	11/2/17	11:35 am		GW	3				X	☐
03	BCP-MW-7	11/2/17	12:25pm		GW	3				X	☐
04	BCP-MW-3	11/2/17	1:50 pm		GW	3				X	☐
05	BCP-MW-5	11/2/17	2:45pm		GW	3				X	☐
											☐
											☐
											☐
											☐
											☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
Anna Sipp Fedex	Carolyn Rice Fedex	11/3/2017	10:20
		11/4/17	10:20.

Temp °C: Observed 2.6 | Correction Factor 0 | Corrected 2.6 | IR ID # 2

☐ EDD format: _____
☐ E-mail to: _____

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

(TCL VOCs)

VOC LIST

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloro-1,2,2-trifluoroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2-Dibromoethane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (MEK)
2-Hexanone
4-Methyl-2-pentanone (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane
Dichlorodifluoromethane
Ethylbenzene
Isopropylbenzene
Methyl acetate
Methyl tert-butyl ether
Methylcyclohexane
Methylene Chloride
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl chloride
1,2-Dichloroethane-d4 (Surr)
4-Bromofluorobenzene (Surr)
Dibromofluoromethane (Surr)
Toluene-d8 (Surr)
Xylenes, Total

FedEx Express **Package US Airbill**

FedEx Tracking Number **8106 0271 8210**

Form ID No. 0200

Recipient's Copy

1 From

Date 11/3/17

Sender's Name A SINGH Phone 716 545-6796

Company [redacted] C&S Company

Address 141 Elm Street, Suite 100

Dept./Floor/Suite/Room

City Buffalo State NY ZIP 14203

2 Your Internal Billing Reference

3 To

Recipient's Name Sample Receiving Phone

Company Eurofins Spectrum Analytical, Inc.

Address 4 Almgren Drive

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Agawam State MA ZIP 01001

Hold Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Hold Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

8106 0271 8210

4 Express Package Service * To most locations.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☒ Saturday Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.
☐ Direct Signature — Someone at recipient's address may sign for delivery.
☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods?

One box must be checked.

☐ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

☐ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

[redacted]

Total Packages ____ Total Weight ____ lbs. Credit Card Auth. ____

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

644

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3 12:00 B 8210 11.04

SC41135 · Bm

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- [X] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, NY 14203

Invoice To: C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, NY 14203

Project No: N46.001.001
Site Name: Conventus
Location: 1001 Main Street State: NY
Sampler(s): A.S.

Telephone #: (716) 847-1630
Project Mgr: Cody Martin cmartin@cscos.com P.O No.: _____ Quote #: _____

F=Field Filtered **1**=$Na_2S_2O_3$ **2**=HCl **3**=H_2SO_4 **4**=HNO_3 **5**=NaOH **6**=Ascorbic Acid
7=CH3OH **8**=$NaHSO_4$ **9**=Deionized Water **10**=H_3PO_4 **11**=_____ **12**=_____

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

DW=Drinking Water **GW**=Groundwater **SW**=Surface Water **WW**=Waste Water
O=Oil **SO**=Soil **SL**=Sludge **A**=Indoor/Ambient Air **SG**=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab **C**=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs (8260) + attached list	Check if chlorinated
SC41135-01	BCP-MW-6	11/2/17	10:50 am		GW	3				X	☐
02	BCP-MW-1	11/2/17	11:35 am		GW	3				X	☐
03	BCP-MW-7	11/2/17	12:25pm		GW	3				X	☐
04	BCP-MW-3	11/2/17	1:50 pm		GW	3				X	☐
05	BCP-MW-5	11/2/17	2:45pm		GW	3				X	☐
06	Trip Blank	11/2/17								✓	☐
											☐
											☐
											☐
											☐

Trip Blank added. client notified Bm 11/8

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Amanda Sipp Fedex	Carolyn Rice Fedex	11/3/2017	10:00	Observed 2.6
		11/4/17	10:20	Correction Factor 0
				Corrected 2.6
				IR ID # 2

☐ EDD format: _____
☐ E-mail to: _____

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Batch Summary

1718835

Volatile Organic Compounds

1718835-BLK1
1718835-BLK2
1718835-BS1
1718835-BS2
1718835-BSD1
1718835-BSD2
SC41135-01 (BCP-MW-6)
SC41135-02 (BCP-MW-1)
SC41135-03 (BCP-MW-7)
SC41135-05 (BCP-MW-5)
SC41135-06 (Trip Blank)

1718908

Volatile Organic Compounds

1718908-BLK1
1718908-BS1
1718908-BS2
1718908-BSD1
1718908-BSD2
SC41135-04 (BCP-MW-3)

S709132

Volatile Organic Compounds

S709132-CAL1
S709132-CAL2
S709132-CAL3
S709132-CAL4
S709132-CAL5
S709132-CAL6
S709132-CAL7
S709132-CAL8
S709132-CAL9
S709132-CALA
S709132-CALB
S709132-ICV1
S709132-LCV1
S709132-LCV2
S709132-TUN1

S709835

Volatile Organic Compounds

S709835-CCV1
S709835-TUN1

S709877

Volatile Organic Compounds

S709877-CCV1
S709877-TUN1

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

C&S Companies

For Lab Project ID

172147

Referencing

Conventus

Prepared

Friday, May 26, 2017

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-1-051717
Lab Sample ID: 172147-01 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		5/25/2017 16:34
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		5/25/2017 16:34
1,1,2-Trichloroethane	< 2.00	ug/L		5/25/2017 16:34
1,1-Dichloroethane	< 2.00	ug/L		5/25/2017 16:34
1,1-Dichloroethene	< 2.00	ug/L		5/25/2017 16:34
1,2,3-Trichlorobenzene	< 5.00	ug/L		5/25/2017 16:34
1,2,4-Trichlorobenzene	< 5.00	ug/L		5/25/2017 16:34
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		5/25/2017 16:34
1,2-Dibromoethane	< 2.00	ug/L		5/25/2017 16:34
1,2-Dichlorobenzene	< 2.00	ug/L		5/25/2017 16:34
1,2-Dichloroethane	< 2.00	ug/L		5/25/2017 16:34
1,2-Dichloropropane	< 2.00	ug/L		5/25/2017 16:34
1,3-Dichlorobenzene	< 2.00	ug/L		5/25/2017 16:34
1,4-Dichlorobenzene	< 2.00	ug/L		5/25/2017 16:34
1,4-dioxane	< 20.0	ug/L		5/25/2017 16:34
2-Butanone	< 10.0	ug/L		5/25/2017 16:34
2-Hexanone	< 5.00	ug/L		5/25/2017 16:34
4-Methyl-2-pentanone	< 5.00	ug/L		5/25/2017 16:34
Acetone	< 10.0	ug/L		5/25/2017 16:34
Benzene	< 1.00	ug/L		5/25/2017 16:34
Bromochloromethane	< 5.00	ug/L		5/25/2017 16:34
Bromodichloromethane	< 2.00	ug/L		5/25/2017 16:34
Bromoform	< 5.00	ug/L		5/25/2017 16:34
Bromomethane	< 2.00	ug/L		5/25/2017 16:34
Carbon disulfide	< 2.00	ug/L		5/25/2017 16:34
Carbon Tetrachloride	< 2.00	ug/L		5/25/2017 16:34
Chlorobenzene	< 2.00	ug/L		5/25/2017 16:34
Chloroethane	< 2.00	ug/L		5/25/2017 16:34
Chloroform	< 2.00	ug/L		5/25/2017 16:34

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-1-051717
Lab Sample ID: 172147-01 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Chloromethane	< 2.00	ug/L	5/25/2017	16:34
cis-1,2-Dichloroethene	< 2.00	ug/L	5/25/2017	16:34
cis-1,3-Dichloropropene	< 2.00	ug/L	5/25/2017	16:34
Cyclohexane	< 10.0	ug/L	5/25/2017	16:34
Dibromochloromethane	< 2.00	ug/L	5/25/2017	16:34
Dichlorodifluoromethane	< 2.00	ug/L	5/25/2017	16:34
Ethylbenzene	< 2.00	ug/L	5/25/2017	16:34
Freon 113	< 2.00	ug/L	5/25/2017	16:34
Isopropylbenzene	< 2.00	ug/L	5/25/2017	16:34
m,p-Xylene	< 2.00	ug/L	5/25/2017	16:34
Methyl acetate	< 2.00	ug/L	5/25/2017	16:34
Methyl tert-butyl Ether	< 2.00	ug/L	5/25/2017	16:34
Methylcyclohexane	< 2.00	ug/L	5/25/2017	16:34
Methylene chloride	< 5.00	ug/L	5/25/2017	16:34
o-Xylene	< 2.00	ug/L	5/25/2017	16:34
Styrene	< 5.00	ug/L	5/25/2017	16:34
Tetrachloroethene	< 2.00	ug/L	5/25/2017	16:34
Toluene	< 2.00	ug/L	5/25/2017	16:34
trans-1,2-Dichloroethene	< 2.00	ug/L	5/25/2017	16:34
trans-1,3-Dichloropropene	< 2.00	ug/L	5/25/2017	16:34
Trichloroethene	< 2.00	ug/L	5/25/2017	16:34
Trichlorofluoromethane	< 2.00	ug/L	5/25/2017	16:34
Vinyl chloride	< 2.00	ug/L	5/25/2017	16:34

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**101**	77.8 - 124		5/25/2017	16:34
4-Bromofluorobenzene	**97.5**	78 - 117		5/25/2017	16:34
Pentafluorobenzene	**102**	83.2 - 118		5/25/2017	16:34
Toluene-D8	**101**	83.7 - 116		5/25/2017	16:34

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x41780.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-7-051717
Lab Sample ID: 172147-02 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		5/25/2017 16:58
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		5/25/2017 16:58
1,1,2-Trichloroethane	< 2.00	ug/L		5/25/2017 16:58
1,1-Dichloroethane	< 2.00	ug/L		5/25/2017 16:58
1,1-Dichloroethene	< 2.00	ug/L		5/25/2017 16:58
1,2,3-Trichlorobenzene	< 5.00	ug/L		5/25/2017 16:58
1,2,4-Trichlorobenzene	< 5.00	ug/L		5/25/2017 16:58
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		5/25/2017 16:58
1,2-Dibromoethane	< 2.00	ug/L		5/25/2017 16:58
1,2-Dichlorobenzene	< 2.00	ug/L		5/25/2017 16:58
1,2-Dichloroethane	< 2.00	ug/L		5/25/2017 16:58
1,2-Dichloropropane	< 2.00	ug/L		5/25/2017 16:58
1,3-Dichlorobenzene	< 2.00	ug/L		5/25/2017 16:58
1,4-Dichlorobenzene	< 2.00	ug/L		5/25/2017 16:58
1,4-dioxane	< 20.0	ug/L		5/25/2017 16:58
2-Butanone	< 10.0	ug/L		5/25/2017 16:58
2-Hexanone	< 5.00	ug/L		5/25/2017 16:58
4-Methyl-2-pentanone	< 5.00	ug/L		5/25/2017 16:58
Acetone	< 10.0	ug/L		5/25/2017 16:58
Benzene	< 1.00	ug/L		5/25/2017 16:58
Bromochloromethane	< 5.00	ug/L		5/25/2017 16:58
Bromodichloromethane	< 2.00	ug/L		5/25/2017 16:58
Bromoform	< 5.00	ug/L		5/25/2017 16:58
Bromomethane	< 2.00	ug/L		5/25/2017 16:58
Carbon disulfide	< 2.00	ug/L		5/25/2017 16:58
Carbon Tetrachloride	< 2.00	ug/L		5/25/2017 16:58
Chlorobenzene	< 2.00	ug/L		5/25/2017 16:58
Chloroethane	< 2.00	ug/L		5/25/2017 16:58
Chloroform	< 2.00	ug/L		5/25/2017 16:58

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-7-051717
Lab Sample ID: 172147-02 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Chloromethane	< 2.00	ug/L	5/25/2017	16:58
cis-1,2-Dichloroethene	< 2.00	ug/L	5/25/2017	16:58
cis-1,3-Dichloropropene	< 2.00	ug/L	5/25/2017	16:58
Cyclohexane	< 10.0	ug/L	5/25/2017	16:58
Dibromochloromethane	< 2.00	ug/L	5/25/2017	16:58
Dichlorodifluoromethane	< 2.00	ug/L	5/25/2017	16:58
Ethylbenzene	< 2.00	ug/L	5/25/2017	16:58
Freon 113	< 2.00	ug/L	5/25/2017	16:58
Isopropylbenzene	< 2.00	ug/L	5/25/2017	16:58
m,p-Xylene	< 2.00	ug/L	5/25/2017	16:58
Methyl acetate	< 2.00	ug/L	5/25/2017	16:58
Methyl tert-butyl Ether	< 2.00	ug/L	5/25/2017	16:58
Methylcyclohexane	< 2.00	ug/L	5/25/2017	16:58
Methylene chloride	< 5.00	ug/L	5/25/2017	16:58
o-Xylene	< 2.00	ug/L	5/25/2017	16:58
Styrene	< 5.00	ug/L	5/25/2017	16:58
Tetrachloroethene	< 2.00	ug/L	5/25/2017	16:58
Toluene	< 2.00	ug/L	5/25/2017	16:58
trans-1,2-Dichloroethene	< 2.00	ug/L	5/25/2017	16:58
trans-1,3-Dichloropropene	< 2.00	ug/L	5/25/2017	16:58
Trichloroethene	< 2.00	ug/L	5/25/2017	16:58
Trichlorofluoromethane	< 2.00	ug/L	5/25/2017	16:58
Vinyl chloride	< 2.00	ug/L	5/25/2017	16:58

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**99.8**	77.8 - 124		5/25/2017	16:58
4-Bromofluorobenzene	**87.8**	78 - 117		5/25/2017	16:58
Pentafluorobenzene	**96.9**	83.2 - 118		5/25/2017	16:58
Toluene-D8	**90.9**	83.7 - 116		5/25/2017	16:58

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x41781.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-6-051717
Lab Sample ID: 172147-03 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		5/25/2017 17:22
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		5/25/2017 17:22
1,1,2-Trichloroethane	< 20.0	ug/L		5/25/2017 17:22
1,1-Dichloroethane	< 20.0	ug/L		5/25/2017 17:22
1,1-Dichloroethene	< 20.0	ug/L		5/25/2017 17:22
1,2,3-Trichlorobenzene	< 50.0	ug/L		5/25/2017 17:22
1,2,4-Trichlorobenzene	< 50.0	ug/L		5/25/2017 17:22
1,2-Dibromo-3-Chloropropane	< 100	ug/L		5/25/2017 17:22
1,2-Dibromoethane	< 20.0	ug/L		5/25/2017 17:22
1,2-Dichlorobenzene	< 20.0	ug/L		5/25/2017 17:22
1,2-Dichloroethane	< 20.0	ug/L		5/25/2017 17:22
1,2-Dichloropropane	< 20.0	ug/L		5/25/2017 17:22
1,3-Dichlorobenzene	< 20.0	ug/L		5/25/2017 17:22
1,4-Dichlorobenzene	< 20.0	ug/L		5/25/2017 17:22
1,4-dioxane	< 200	ug/L		5/25/2017 17:22
2-Butanone	< 100	ug/L		5/25/2017 17:22
2-Hexanone	< 50.0	ug/L		5/25/2017 17:22
4-Methyl-2-pentanone	< 50.0	ug/L		5/25/2017 17:22
Acetone	< 100	ug/L		5/25/2017 17:22
Benzene	**113**	ug/L		5/25/2017 17:22
Bromochloromethane	< 50.0	ug/L		5/25/2017 17:22
Bromodichloromethane	< 20.0	ug/L		5/25/2017 17:22
Bromoform	< 50.0	ug/L		5/25/2017 17:22
Bromomethane	< 20.0	ug/L		5/25/2017 17:22
Carbon disulfide	< 20.0	ug/L		5/25/2017 17:22
Carbon Tetrachloride	< 20.0	ug/L		5/25/2017 17:22
Chlorobenzene	< 20.0	ug/L		5/25/2017 17:22
Chloroethane	< 20.0	ug/L		5/25/2017 17:22
Chloroform	< 20.0	ug/L		5/25/2017 17:22

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-6-051717
Lab Sample ID: 172147-03 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Chloromethane	< 20.0	ug/L		5/25/2017 17:22
cis-1,2-Dichloroethene	< 20.0	ug/L		5/25/2017 17:22
cis-1,3-Dichloropropene	< 20.0	ug/L		5/25/2017 17:22
Cyclohexane	< 100	ug/L		5/25/2017 17:22
Dibromochloromethane	< 20.0	ug/L		5/25/2017 17:22
Dichlorodifluoromethane	< 20.0	ug/L		5/25/2017 17:22
Ethylbenzene	**175**	ug/L		5/25/2017 17:22
Freon 113	< 20.0	ug/L		5/25/2017 17:22
Isopropylbenzene	< 20.0	ug/L		5/25/2017 17:22
m,p-Xylene	**135**	ug/L		5/25/2017 17:22
Methyl acetate	< 20.0	ug/L		5/25/2017 17:22
Methyl tert-butyl Ether	< 20.0	ug/L		5/25/2017 17:22
Methylcyclohexane	**35.3**	ug/L		5/25/2017 17:22
Methylene chloride	< 50.0	ug/L		5/25/2017 17:22
o-Xylene	**55.7**	ug/L		5/25/2017 17:22
Styrene	< 50.0	ug/L		5/25/2017 17:22
Tetrachloroethene	< 20.0	ug/L		5/25/2017 17:22
Toluene	**147**	ug/L		5/25/2017 17:22
trans-1,2-Dichloroethene	< 20.0	ug/L		5/25/2017 17:22
trans-1,3-Dichloropropene	< 20.0	ug/L		5/25/2017 17:22
Trichloroethene	< 20.0	ug/L		5/25/2017 17:22
Trichlorofluoromethane	< 20.0	ug/L		5/25/2017 17:22
Vinyl chloride	< 20.0	ug/L		5/25/2017 17:22

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**96.7**	77.8 - 124		5/25/2017 17:22
4-Bromofluorobenzene	**93.1**	78 - 117		5/25/2017 17:22
Pentafluorobenzene	**99.5**	83.2 - 118		5/25/2017 17:22
Toluene-D8	**95.4**	83.7 - 116		5/25/2017 17:22

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x41782.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-3-051717
Lab Sample ID: 172147-04 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		5/25/2017 17:46
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		5/25/2017 17:46
1,1,2-Trichloroethane	< 20.0	ug/L		5/25/2017 17:46
1,1-Dichloroethane	< 20.0	ug/L		5/25/2017 17:46
1,1-Dichloroethene	< 20.0	ug/L		5/25/2017 17:46
1,2,3-Trichlorobenzene	< 50.0	ug/L		5/25/2017 17:46
1,2,4-Trichlorobenzene	< 50.0	ug/L		5/25/2017 17:46
1,2-Dibromo-3-Chloropropane	< 100	ug/L		5/25/2017 17:46
1,2-Dibromoethane	< 20.0	ug/L		5/25/2017 17:46
1,2-Dichlorobenzene	< 20.0	ug/L		5/25/2017 17:46
1,2-Dichloroethane	< 20.0	ug/L		5/25/2017 17:46
1,2-Dichloropropane	< 20.0	ug/L		5/25/2017 17:46
1,3-Dichlorobenzene	< 20.0	ug/L		5/25/2017 17:46
1,4-Dichlorobenzene	< 20.0	ug/L		5/25/2017 17:46
1,4-dioxane	< 200	ug/L		5/25/2017 17:46
2-Butanone	**201**	ug/L		5/25/2017 17:46
2-Hexanone	< 50.0	ug/L		5/25/2017 17:46
4-Methyl-2-pentanone	< 50.0	ug/L		5/25/2017 17:46
Acetone	< 100	ug/L		5/25/2017 17:46
Benzene	**451**	ug/L		5/25/2017 17:46
Bromochloromethane	< 50.0	ug/L		5/25/2017 17:46
Bromodichloromethane	< 20.0	ug/L		5/25/2017 17:46
Bromoform	< 50.0	ug/L		5/25/2017 17:46
Bromomethane	< 20.0	ug/L		5/25/2017 17:46
Carbon disulfide	< 20.0	ug/L		5/25/2017 17:46
Carbon Tetrachloride	< 20.0	ug/L		5/25/2017 17:46
Chlorobenzene	< 20.0	ug/L		5/25/2017 17:46
Chloroethane	< 20.0	ug/L		5/25/2017 17:46
Chloroform	< 20.0	ug/L		5/25/2017 17:46

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-3-051717
Lab Sample ID: 172147-04 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Chloromethane	< 20.0	ug/L		5/25/2017 17:46
cis-1,2-Dichloroethene	< 20.0	ug/L		5/25/2017 17:46
cis-1,3-Dichloropropene	< 20.0	ug/L		5/25/2017 17:46
Cyclohexane	< 100	ug/L		5/25/2017 17:46
Dibromochloromethane	< 20.0	ug/L		5/25/2017 17:46
Dichlorodifluoromethane	< 20.0	ug/L		5/25/2017 17:46
Ethylbenzene	**197**	ug/L		5/25/2017 17:46
Freon 113	< 20.0	ug/L		5/25/2017 17:46
Isopropylbenzene	< 20.0	ug/L		5/25/2017 17:46
m,p-Xylene	**639**	ug/L		5/25/2017 17:46
Methyl acetate	< 20.0	ug/L		5/25/2017 17:46
Methyl tert-butyl Ether	< 20.0	ug/L		5/25/2017 17:46
Methylcyclohexane	**29.5**	ug/L		5/25/2017 17:46
Methylene chloride	< 50.0	ug/L		5/25/2017 17:46
o-Xylene	< 20.0	ug/L		5/25/2017 17:46
Styrene	< 50.0	ug/L		5/25/2017 17:46
Tetrachloroethene	< 20.0	ug/L		5/25/2017 17:46
Toluene	**22.6**	ug/L		5/25/2017 17:46
trans-1,2-Dichloroethene	< 20.0	ug/L		5/25/2017 17:46
trans-1,3-Dichloropropene	< 20.0	ug/L		5/25/2017 17:46
Trichloroethene	< 20.0	ug/L		5/25/2017 17:46
Trichlorofluoromethane	< 20.0	ug/L		5/25/2017 17:46
Vinyl chloride	< 20.0	ug/L		5/25/2017 17:46

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**98.5**	77.8 - 124		5/25/2017 17:46
4-Bromofluorobenzene	**95.9**	78 - 117		5/25/2017 17:46
Pentafluorobenzene	**98.7**	83.2 - 118		5/25/2017 17:46
Toluene-D8	**93.7**	83.7 - 116		5/25/2017 17:46

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x41783.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-4-051717
Lab Sample ID: 172147-05 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		5/25/2017 18:10
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		5/25/2017 18:10
1,1,2-Trichloroethane	< 20.0	ug/L		5/25/2017 18:10
1,1-Dichloroethane	< 20.0	ug/L		5/25/2017 18:10
1,1-Dichloroethene	< 20.0	ug/L		5/25/2017 18:10
1,2,3-Trichlorobenzene	< 50.0	ug/L		5/25/2017 18:10
1,2,4-Trichlorobenzene	< 50.0	ug/L		5/25/2017 18:10
1,2-Dibromo-3-Chloropropane	< 100	ug/L		5/25/2017 18:10
1,2-Dibromoethane	< 20.0	ug/L		5/25/2017 18:10
1,2-Dichlorobenzene	< 20.0	ug/L		5/25/2017 18:10
1,2-Dichloroethane	< 20.0	ug/L		5/25/2017 18:10
1,2-Dichloropropane	< 20.0	ug/L		5/25/2017 18:10
1,3-Dichlorobenzene	< 20.0	ug/L		5/25/2017 18:10
1,4-Dichlorobenzene	< 20.0	ug/L		5/25/2017 18:10
1,4-dioxane	< 200	ug/L		5/25/2017 18:10
2-Butanone	< 100	ug/L		5/25/2017 18:10
2-Hexanone	< 50.0	ug/L		5/25/2017 18:10
4-Methyl-2-pentanone	< 50.0	ug/L		5/25/2017 18:10
Acetone	< 100	ug/L		5/25/2017 18:10
Benzene	**10.8**	ug/L		5/25/2017 18:10
Bromochloromethane	< 50.0	ug/L		5/25/2017 18:10
Bromodichloromethane	< 20.0	ug/L		5/25/2017 18:10
Bromoform	< 50.0	ug/L		5/25/2017 18:10
Bromomethane	< 20.0	ug/L		5/25/2017 18:10
Carbon disulfide	< 20.0	ug/L		5/25/2017 18:10
Carbon Tetrachloride	< 20.0	ug/L		5/25/2017 18:10
Chlorobenzene	< 20.0	ug/L		5/25/2017 18:10
Chloroethane	< 20.0	ug/L		5/25/2017 18:10
Chloroform	< 20.0	ug/L		5/25/2017 18:10

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-4-051717
Lab Sample ID: 172147-05 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Chloromethane	< 20.0	ug/L	5/25/2017	18:10
cis-1,2-Dichloroethene	< 20.0	ug/L	5/25/2017	18:10
cis-1,3-Dichloropropene	< 20.0	ug/L	5/25/2017	18:10
Cyclohexane	**235**	ug/L	5/25/2017	18:10
Dibromochloromethane	< 20.0	ug/L	5/25/2017	18:10
Dichlorodifluoromethane	< 20.0	ug/L	5/25/2017	18:10
Ethylbenzene	**1220**	ug/L	5/25/2017	18:10
Freon 113	< 20.0	ug/L	5/25/2017	18:10
Isopropylbenzene	< 20.0	ug/L	5/25/2017	18:10
m,p-Xylene	**1260**	ug/L	5/25/2017	18:10
Methyl acetate	< 20.0	ug/L	5/25/2017	18:10
Methyl tert-butyl Ether	< 20.0	ug/L	5/25/2017	18:10
Methylcyclohexane	**99.7**	ug/L	5/25/2017	18:10
Methylene chloride	< 50.0	ug/L	5/25/2017	18:10
o-Xylene	**29.7**	ug/L	5/25/2017	18:10
Styrene	< 50.0	ug/L	5/25/2017	18:10
Tetrachloroethene	< 20.0	ug/L	5/25/2017	18:10
Toluene	**92.2**	ug/L	5/25/2017	18:10
trans-1,2-Dichloroethene	< 20.0	ug/L	5/25/2017	18:10
trans-1,3-Dichloropropene	< 20.0	ug/L	5/25/2017	18:10
Trichloroethene	< 20.0	ug/L	5/25/2017	18:10
Trichlorofluoromethane	< 20.0	ug/L	5/25/2017	18:10
Vinyl chloride	< 20.0	ug/L	5/25/2017	18:10

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**95.5**	77.8 - 124		5/25/2017	18:10
4-Bromofluorobenzene	**98.8**	78 - 117		5/25/2017	18:10
Pentafluorobenzene	**102**	83.2 - 118		5/25/2017	18:10
Toluene-D8	**99.0**	83.7 - 116		5/25/2017	18:10

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x41784.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-5-051717
Lab Sample ID: 172147-06 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 40.0	ug/L		5/25/2017 18:33
1,1,2,2-Tetrachloroethane	< 40.0	ug/L		5/25/2017 18:33
1,1,2-Trichloroethane	< 40.0	ug/L		5/25/2017 18:33
1,1-Dichloroethane	< 40.0	ug/L		5/25/2017 18:33
1,1-Dichloroethene	< 40.0	ug/L		5/25/2017 18:33
1,2,3-Trichlorobenzene	< 100	ug/L		5/25/2017 18:33
1,2,4-Trichlorobenzene	< 100	ug/L		5/25/2017 18:33
1,2-Dibromo-3-Chloropropane	< 200	ug/L		5/25/2017 18:33
1,2-Dibromoethane	< 40.0	ug/L		5/25/2017 18:33
1,2-Dichlorobenzene	< 40.0	ug/L		5/25/2017 18:33
1,2-Dichloroethane	< 40.0	ug/L		5/25/2017 18:33
1,2-Dichloropropane	< 40.0	ug/L		5/25/2017 18:33
1,3-Dichlorobenzene	< 40.0	ug/L		5/25/2017 18:33
1,4-Dichlorobenzene	< 40.0	ug/L		5/25/2017 18:33
1,4-dioxane	< 400	ug/L		5/25/2017 18:33
2-Butanone	< 200	ug/L		5/25/2017 18:33
2-Hexanone	< 100	ug/L		5/25/2017 18:33
4-Methyl-2-pentanone	< 100	ug/L		5/25/2017 18:33
Acetone	< 200	ug/L		5/25/2017 18:33
Benzene	**428**	ug/L		5/25/2017 18:33
Bromochloromethane	< 100	ug/L		5/25/2017 18:33
Bromodichloromethane	< 40.0	ug/L		5/25/2017 18:33
Bromoform	< 100	ug/L		5/25/2017 18:33
Bromomethane	< 40.0	ug/L		5/25/2017 18:33
Carbon disulfide	< 40.0	ug/L		5/25/2017 18:33
Carbon Tetrachloride	< 40.0	ug/L		5/25/2017 18:33
Chlorobenzene	< 40.0	ug/L		5/25/2017 18:33
Chloroethane	< 40.0	ug/L		5/25/2017 18:33
Chloroform	< 40.0	ug/L		5/25/2017 18:33

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 172147

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-5-051717
Lab Sample ID: 172147-06 **Date Sampled:** 5/17/2017
Matrix: Groundwater **Date Received:** 5/22/2017

Chloromethane	< 40.0	ug/L	5/25/2017	18:33
cis-1,2-Dichloroethene	< 40.0	ug/L	5/25/2017	18:33
cis-1,3-Dichloropropene	< 40.0	ug/L	5/25/2017	18:33
Cyclohexane	< 200	ug/L	5/25/2017	18:33
Dibromochloromethane	< 40.0	ug/L	5/25/2017	18:33
Dichlorodifluoromethane	< 40.0	ug/L	5/25/2017	18:33
Ethylbenzene	**584**	ug/L	5/25/2017	18:33
Freon 113	< 40.0	ug/L	5/25/2017	18:33
Isopropylbenzene	< 40.0	ug/L	5/25/2017	18:33
m,p-Xylene	**2930**	ug/L	5/25/2017	18:33
Methyl acetate	< 40.0	ug/L	5/25/2017	18:33
Methyl tert-butyl Ether	< 40.0	ug/L	5/25/2017	18:33
Methylcyclohexane	**49.0**	ug/L	5/25/2017	18:33
Methylene chloride	< 100	ug/L	5/25/2017	18:33
o-Xylene	**70.7**	ug/L	5/25/2017	18:33
Styrene	< 100	ug/L	5/25/2017	18:33
Tetrachloroethene	< 40.0	ug/L	5/25/2017	18:33
Toluene	< 40.0	ug/L	5/25/2017	18:33
trans-1,2-Dichloroethene	< 40.0	ug/L	5/25/2017	18:33
trans-1,3-Dichloropropene	< 40.0	ug/L	5/25/2017	18:33
Trichloroethene	< 40.0	ug/L	5/25/2017	18:33
Trichlorofluoromethane	< 40.0	ug/L	5/25/2017	18:33
Vinyl chloride	< 40.0	ug/L	5/25/2017	18:33

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**95.1**	77.8 - 124		5/25/2017	18:33
4-Bromofluorobenzene	**95.7**	78 - 117		5/25/2017	18:33
Pentafluorobenzene	**99.5**	83.2 - 118		5/25/2017	18:33
Toluene-D8	**95.7**	83.7 - 116		5/25/2017	18:33

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x41785.D

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM
ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

1 of 2

REPORT TO:		INVOICE TO:		
CLIENT:	C&S Engineers	CLIENT:	Same	LAB PROJECT ID: 172147
ADDRESS:	141 Elm Street	ADDRESS:		
CITY:	Buffalo STATE: NY ZIP 14203	CITY: STATE: ZIP:		Quotation #:
PHONE:	716 955-3021	PHONE:		Email:
ATTN:	Cody Martin	ATTN:		

PROJECT REFERENCE: Conventus

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOC	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/17/17	9:45		X	BCP-MW-1-051717	WG	2	X		01
	10:23		X	BCP-MW-7-051717			X		02
	11:45		X	BCP-MW-6-051717			X		03
	12:36		X	BCP-MW-3-051717			X		04
	13:17		X	BCP-MW-4-051717			X		05
	14:05		X	BCP-MW-5-051717			X		06

Turnaround Time		Report Supplements		
Availability contingent upon lab approval; additional fees may apply.				
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	X
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other		Other		Other EDD	
please indicate date needed:		please indicate package needed:		please indicate EDD needed :	

Cody Martin 5/17/17 2:30pm
Sampled By Date/Time

Total Cost:

5/19/17 9:25
Relinquished By Date/Time

James Steiner 5/19/17 9:25
Received By Date/Time

P.I.F.

5/22/17 10:48
Received @ Lab By Date/Time

5°C iced 5/19/17 16:22

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: C + S Engineers **Completed by:** Glenn Pezzulo

Lab Project ID: 172147 **Date:** 5/22/17

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X		
Comments			
Preservation	X		
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	5°C iced		
Sufficient Sample Quantity	X		
Comments			

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

July 18, 2017

Cody Martin
C&S Companies
141 Elm Street
Suite 100
Buffalo, NY 14203

RE: Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Dear Cody Martin:
Enclosed are the analytical results for sample(s) received by the laboratory on July 08, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-1-070517 **Lab ID: 7023628001** Collected: 07/05/17 09:15 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**5.1**	ug/L	5.0	1		07/12/17 22:05	67-64-1	CC
Benzene	ND	ug/L	1.0	1		07/12/17 22:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/12/17 22:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/12/17 22:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/12/17 22:05	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/12/17 22:05	75-25-2	
Bromomethane	ND	ug/L	1.0	1		07/12/17 22:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/12/17 22:05	78-93-3	IL
n-Butylbenzene	ND	ug/L	1.0	1		07/12/17 22:05	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		07/12/17 22:05	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		07/12/17 22:05	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		07/12/17 22:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		07/12/17 22:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/12/17 22:05	108-90-7	
Chlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 22:05	75-45-6	N3
Chloroethane	ND	ug/L	1.0	1		07/12/17 22:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/12/17 22:05	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/12/17 22:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 22:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 22:05	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	1		07/12/17 22:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/12/17 22:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/12/17 22:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		07/12/17 22:05	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 22:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/12/17 22:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/12/17 22:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/12/17 22:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 22:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 22:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 22:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/12/17 22:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 22:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/12/17 22:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 22:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 22:05	10061-02-6	L1
1,4-Diethylbenzene	ND	ug/L	1.0	1		07/12/17 22:05	105-05-5	N3
Ethanol	ND	ug/L	250	1		07/12/17 22:05	64-17-5	
Ethylbenzene	ND	ug/L	1.0	1		07/12/17 22:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/12/17 22:05	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		07/12/17 22:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		07/12/17 22:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/12/17 22:05	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		07/12/17 22:05	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-1-070517 **Lab ID: 7023628001** Collected: 07/05/17 09:15 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/12/17 22:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/12/17 22:05	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		07/12/17 22:05	91-20-3	CC
n-Propylbenzene	ND	ug/L	1.0	1		07/12/17 22:05	103-65-1	
Styrene	ND	ug/L	1.0	1		07/12/17 22:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 22:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 22:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/12/17 22:05	127-18-4	
1,2,4,5-tetramethylbenzene	ND	ug/L	1.0	1		07/12/17 22:05	95-93-2	N3
Toluene	ND	ug/L	1.0	1		07/12/17 22:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/12/17 22:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/12/17 22:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/12/17 22:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/12/17 22:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/12/17 22:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		07/12/17 22:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		07/12/17 22:05	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/12/17 22:05	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		07/12/17 22:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		07/12/17 22:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		07/12/17 22:05	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%.	68-153	1		07/12/17 22:05	17060-07-0	
4-Bromofluorobenzene (S)	97	%.	79-124	1		07/12/17 22:05	460-00-4	
Toluene-d8 (S)	91	%.	69-124	1		07/12/17 22:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-7-070517 **Lab ID: 7023628002** Collected: 07/05/17 09:58 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	ND	ug/L	5.0	1		07/12/17 22:24	67-64-1	CC
Benzene	**2.3**	ug/L	1.0	1		07/12/17 22:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/12/17 22:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/12/17 22:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/12/17 22:24	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/12/17 22:24	75-25-2	
Bromomethane	ND	ug/L	1.0	1		07/12/17 22:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/12/17 22:24	78-93-3	IL
n-Butylbenzene	ND	ug/L	1.0	1		07/12/17 22:24	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		07/12/17 22:24	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		07/12/17 22:24	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		07/12/17 22:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		07/12/17 22:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/12/17 22:24	108-90-7	
Chlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 22:24	75-45-6	N3
Chloroethane	ND	ug/L	1.0	1		07/12/17 22:24	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/12/17 22:24	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/12/17 22:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 22:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 22:24	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	1		07/12/17 22:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/12/17 22:24	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/12/17 22:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		07/12/17 22:24	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 22:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/12/17 22:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/12/17 22:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/12/17 22:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 22:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 22:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 22:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/12/17 22:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 22:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/12/17 22:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 22:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 22:24	10061-02-6	L1
1,4-Diethylbenzene	ND	ug/L	1.0	1		07/12/17 22:24	105-05-5	N3
Ethanol	ND	ug/L	250	1		07/12/17 22:24	64-17-5	
Ethylbenzene	ND	ug/L	1.0	1		07/12/17 22:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/12/17 22:24	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		07/12/17 22:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		07/12/17 22:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/12/17 22:24	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		07/12/17 22:24	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-7-070517 **Lab ID: 7023628002** Collected: 07/05/17 09:58 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/12/17 22:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/12/17 22:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		07/12/17 22:24	91-20-3	CC
n-Propylbenzene	ND	ug/L	1.0	1		07/12/17 22:24	103-65-1	
Styrene	ND	ug/L	1.0	1		07/12/17 22:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 22:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 22:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/12/17 22:24	127-18-4	
1,2,4,5-tetramethylbenzene	ND	ug/L	1.0	1		07/12/17 22:24	95-93-2	N3
Toluene	ND	ug/L	1.0	1		07/12/17 22:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/12/17 22:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/12/17 22:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/12/17 22:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/12/17 22:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/12/17 22:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		07/12/17 22:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		07/12/17 22:24	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/12/17 22:24	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		07/12/17 22:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		07/12/17 22:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		07/12/17 22:24	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%.	68-153	1		07/12/17 22:24	17060-07-0	
4-Bromofluorobenzene (S)	97	%.	79-124	1		07/12/17 22:24	460-00-4	
Toluene-d8 (S)	92	%.	69-124	1		07/12/17 22:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-6-070517 **Lab ID: 7023628003** Collected: 07/05/17 11:10 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**102**	ug/L	5.0	1		07/12/17 22:42	67-64-1	CC
Benzene	**131**	ug/L	1.0	1		07/12/17 22:42	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/12/17 22:42	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/12/17 22:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/12/17 22:42	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/12/17 22:42	75-25-2	
Bromomethane	ND	ug/L	1.0	1		07/12/17 22:42	74-83-9	
2-Butanone (MEK)	**19.6**	ug/L	5.0	1		07/12/17 22:42	78-93-3	IL
n-Butylbenzene	**4.6**	ug/L	1.0	1		07/12/17 22:42	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		07/12/17 22:42	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		07/12/17 22:42	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		07/12/17 22:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		07/12/17 22:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/12/17 22:42	108-90-7	
Chlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 22:42	75-45-6	N3
Chloroethane	ND	ug/L	1.0	1		07/12/17 22:42	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/12/17 22:42	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/12/17 22:42	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 22:42	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 22:42	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	1		07/12/17 22:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/12/17 22:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/12/17 22:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		07/12/17 22:42	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 22:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/12/17 22:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/12/17 22:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/12/17 22:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 22:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 22:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 22:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/12/17 22:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 22:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/12/17 22:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 22:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 22:42	10061-02-6	L1
1,4-Diethylbenzene	**32.9**	ug/L	1.0	1		07/12/17 22:42	105-05-5	N3
Ethanol	ND	ug/L	250	1		07/12/17 22:42	64-17-5	
Ethylbenzene	**85.5**	ug/L	1.0	1		07/12/17 22:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/12/17 22:42	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		07/12/17 22:42	591-78-6	
Isopropylbenzene (Cumene)	**2.5**	ug/L	1.0	1		07/12/17 22:42	98-82-8	
p-Isopropyltoluene	**1.6**	ug/L	1.0	1		07/12/17 22:42	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		07/12/17 22:42	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-6-070517 **Lab ID: 7023628003** Collected: 07/05/17 11:10 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
4-Methyl-2-pentanone (MIBK)	**6.2**	ug/L	5.0	1		07/12/17 22:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/12/17 22:42	1634-04-4	
Naphthalene	**86.6**	ug/L	1.0	1		07/12/17 22:42	91-20-3	CC
n-Propylbenzene	**11.3**	ug/L	1.0	1		07/12/17 22:42	103-65-1	
Styrene	ND	ug/L	1.0	1		07/12/17 22:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 22:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 22:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/12/17 22:42	127-18-4	
1,2,4,5-tetramethylbenzene	**14.3**	ug/L	1.0	1		07/12/17 22:42	95-93-2	N3
Toluene	**22.5**	ug/L	4.0	4		07/13/17 16:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 22:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/12/17 22:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/12/17 22:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/12/17 22:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/12/17 22:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/12/17 22:42	96-18-4	
1,2,4-Trimethylbenzene	**134**	ug/L	1.0	1		07/12/17 22:42	95-63-6	
1,3,5-Trimethylbenzene	**74.3**	ug/L	1.0	1		07/12/17 22:42	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/12/17 22:42	75-01-4	
Xylene (Total)	**438**	ug/L	8.0	4		07/13/17 16:11	1330-20-7	
m&p-Xylene	**361**	ug/L	2.0	1		07/12/17 22:42	179601-23-1	
o-Xylene	**77.4**	ug/L	4.0	4		07/13/17 16:11	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	68-153	1		07/12/17 22:42	17060-07-0	
4-Bromofluorobenzene (S)	94	%.	79-124	1		07/12/17 22:42	460-00-4	
Toluene-d8 (S)	93	%.	69-124	1		07/12/17 22:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-3-070517 **Lab ID: 7023628004** Collected: 07/05/17 12:00 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**166**	ug/L	10.0	2		07/13/17 17:23	67-64-1	
Benzene	**3.3**	ug/L	1.0	1		07/12/17 23:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/12/17 23:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/12/17 23:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/12/17 23:00	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/12/17 23:00	75-25-2	
Bromomethane	ND	ug/L	1.0	1		07/12/17 23:00	74-83-9	
2-Butanone (MEK)	**51.4**	ug/L	5.0	1		07/12/17 23:00	78-93-3	IL
n-Butylbenzene	ND	ug/L	1.0	1		07/12/17 23:00	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		07/12/17 23:00	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		07/12/17 23:00	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		07/12/17 23:00	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		07/12/17 23:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/12/17 23:00	108-90-7	
Chlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 23:00	75-45-6	N3
Chloroethane	ND	ug/L	1.0	1		07/12/17 23:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/12/17 23:00	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/12/17 23:00	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 23:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 23:00	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	1		07/12/17 23:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/12/17 23:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/12/17 23:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		07/12/17 23:00	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 23:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/12/17 23:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/12/17 23:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/12/17 23:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 23:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 23:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 23:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/12/17 23:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 23:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/12/17 23:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 23:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 23:00	10061-02-6	L1
1,4-Diethylbenzene	ND	ug/L	1.0	1		07/12/17 23:00	105-05-5	N3
Ethanol	ND	ug/L	250	1		07/12/17 23:00	64-17-5	
Ethylbenzene	**2.4**	ug/L	1.0	1		07/12/17 23:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/12/17 23:00	87-68-3	
2-Hexanone	**8.0**	ug/L	5.0	1		07/12/17 23:00	591-78-6	CC
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		07/12/17 23:00	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/12/17 23:00	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		07/12/17 23:00	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-3-070517 **Lab ID: 7023628004** Collected: 07/05/17 12:00 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
4-Methyl-2-pentanone (MIBK)	**5.0**	ug/L	5.0	1		07/12/17 23:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/12/17 23:00	1634-04-4	
Naphthalene	**14.0**	ug/L	1.0	1		07/12/17 23:00	91-20-3	CC
n-Propylbenzene	ND	ug/L	1.0	1		07/12/17 23:00	103-65-1	
Styrene	ND	ug/L	1.0	1		07/12/17 23:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 23:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 23:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/12/17 23:00	127-18-4	
1,2,4,5-tetramethylbenzene	**1.1**	ug/L	1.0	1		07/12/17 23:00	95-93-2	N3
Toluene	**1.6**	ug/L	1.0	1		07/12/17 23:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/12/17 23:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/12/17 23:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/12/17 23:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/12/17 23:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/12/17 23:00	96-18-4	
1,2,4-Trimethylbenzene	**4.9**	ug/L	1.0	1		07/12/17 23:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		07/12/17 23:00	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/12/17 23:00	75-01-4	
Xylene (Total)	**7.1**	ug/L	2.0	1		07/12/17 23:00	1330-20-7	
m&p-Xylene	**5.8**	ug/L	2.0	1		07/12/17 23:00	179601-23-1	
o-Xylene	**1.3**	ug/L	1.0	1		07/12/17 23:00	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%.	68-153	1		07/12/17 23:00	17060-07-0	
4-Bromofluorobenzene (S)	92	%.	79-124	1		07/12/17 23:00	460-00-4	
Toluene-d8 (S)	92	%.	69-124	1		07/12/17 23:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-4-070517 **Lab ID: 7023628005** Collected: 07/05/17 13:00 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**38.2**	ug/L	5.0	1		07/12/17 23:18	67-64-1	CC
Benzene	**1.3**	ug/L	1.0	1		07/12/17 23:18	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/12/17 23:18	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/12/17 23:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/12/17 23:18	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/12/17 23:18	75-25-2	
Bromomethane	ND	ug/L	1.0	1		07/12/17 23:18	74-83-9	
2-Butanone (MEK)	**6.9**	ug/L	5.0	1		07/12/17 23:18	78-93-3	IL
n-Butylbenzene	**1.7**	ug/L	1.0	1		07/12/17 23:18	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		07/12/17 23:18	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		07/12/17 23:18	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		07/12/17 23:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		07/12/17 23:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/12/17 23:18	108-90-7	
Chlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 23:18	75-45-6	N3
Chloroethane	ND	ug/L	1.0	1		07/12/17 23:18	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/12/17 23:18	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/12/17 23:18	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 23:18	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 23:18	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	1		07/12/17 23:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/12/17 23:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/12/17 23:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		07/12/17 23:18	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 23:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/12/17 23:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/12/17 23:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/12/17 23:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 23:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 23:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 23:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/12/17 23:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 23:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/12/17 23:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 23:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 23:18	10061-02-6	L1
1,4-Diethylbenzene	**2.5**	ug/L	1.0	1		07/12/17 23:18	105-05-5	N3
Ethanol	ND	ug/L	250	1		07/12/17 23:18	64-17-5	
Ethylbenzene	**28.0**	ug/L	1.0	1		07/12/17 23:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/12/17 23:18	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		07/12/17 23:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		07/12/17 23:18	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/12/17 23:18	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		07/12/17 23:18	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-4-070517 **Lab ID: 7023628005** Collected: 07/05/17 13:00 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
4-Methyl-2-pentanone (MIBK)	**9.8**	ug/L	5.0	1		07/12/17 23:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/12/17 23:18	1634-04-4	
Naphthalene	**1.9**	ug/L	1.0	1		07/12/17 23:18	91-20-3	CC
n-Propylbenzene	**2.3**	ug/L	1.0	1		07/12/17 23:18	103-65-1	
Styrene	ND	ug/L	1.0	1		07/12/17 23:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 23:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 23:18	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/12/17 23:18	127-18-4	
1,2,4,5-tetramethylbenzene	**1.1**	ug/L	1.0	1		07/12/17 23:18	95-93-2	N3
Toluene	**9.8**	ug/L	1.0	1		07/12/17 23:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/12/17 23:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/12/17 23:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/12/17 23:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/12/17 23:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/12/17 23:18	96-18-4	
1,2,4-Trimethylbenzene	**1.1**	ug/L	1.0	1		07/12/17 23:18	95-63-6	
1,3,5-Trimethylbenzene	**2.0**	ug/L	1.0	1		07/12/17 23:18	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/12/17 23:18	75-01-4	
Xylene (Total)	**24.5**	ug/L	2.0	1		07/12/17 23:18	1330-20-7	
m&p-Xylene	**22.1**	ug/L	2.0	1		07/12/17 23:18	179601-23-1	
o-Xylene	**2.4**	ug/L	1.0	1		07/12/17 23:18	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%.	68-153	1		07/12/17 23:18	17060-07-0	
4-Bromofluorobenzene (S)	97	%.	79-124	1		07/12/17 23:18	460-00-4	
Toluene-d8 (S)	92	%.	69-124	1		07/12/17 23:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-5-070517 **Lab ID: 7023628006** Collected: 07/05/17 14:15 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**15.3**	ug/L	5.0	1		07/12/17 23:36	67-64-1	CC
Benzene	**574**	ug/L	25.0	25		07/13/17 16:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/12/17 23:36	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/12/17 23:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/12/17 23:36	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/12/17 23:36	75-25-2	
Bromomethane	ND	ug/L	1.0	1		07/12/17 23:36	74-83-9	
2-Butanone (MEK)	**5.1**	ug/L	5.0	1		07/12/17 23:36	78-93-3	IL
n-Butylbenzene	**43.3**	ug/L	1.0	1		07/12/17 23:36	104-51-8	
sec-Butylbenzene	**3.2**	ug/L	1.0	1		07/12/17 23:36	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		07/12/17 23:36	98-06-6	
Carbon disulfide	**2.1**	ug/L	1.0	1		07/12/17 23:36	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		07/12/17 23:36	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/12/17 23:36	108-90-7	
Chlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 23:36	75-45-6	N3
Chloroethane	ND	ug/L	1.0	1		07/12/17 23:36	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/12/17 23:36	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/12/17 23:36	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 23:36	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/12/17 23:36	106-43-4	
Dibromochloromethane	ND	ug/L	1.0	1		07/12/17 23:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/12/17 23:36	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/12/17 23:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		07/12/17 23:36	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/12/17 23:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/12/17 23:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/12/17 23:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/12/17 23:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 23:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/12/17 23:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 23:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/12/17 23:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/12/17 23:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/12/17 23:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 23:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/12/17 23:36	10061-02-6	L1
1,4-Diethylbenzene	**347**	ug/L	25.0	25		07/13/17 16:29	105-05-5	N3
Ethanol	ND	ug/L	250	1		07/12/17 23:36	64-17-5	
Ethylbenzene	**534**	ug/L	25.0	25		07/13/17 16:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/12/17 23:36	87-68-3	
2-Hexanone	**5.9**	ug/L	5.0	1		07/12/17 23:36	591-78-6	CC
Isopropylbenzene (Cumene)	**13.6**	ug/L	1.0	1		07/12/17 23:36	98-82-8	
p-Isopropyltoluene	**5.7**	ug/L	1.0	1		07/12/17 23:36	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		07/12/17 23:36	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Sample: BCP-MW-5-070517 **Lab ID: 7023628006** Collected: 07/05/17 14:15 Received: 07/08/17 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/12/17 23:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/12/17 23:36	1634-04-4	
Naphthalene	**730**	ug/L	25.0	25		07/13/17 16:29	91-20-3	
n-Propylbenzene	**34.8**	ug/L	1.0	1		07/12/17 23:36	103-65-1	
Styrene	ND	ug/L	1.0	1		07/12/17 23:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 23:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/12/17 23:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/12/17 23:36	127-18-4	
1,2,4,5-tetramethylbenzene	**135**	ug/L	1.0	1		07/12/17 23:36	95-93-2	N3
Toluene	**36.2**	ug/L	1.0	1		07/12/17 23:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/12/17 23:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/12/17 23:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/12/17 23:36	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/12/17 23:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/12/17 23:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/12/17 23:36	96-18-4	
1,2,4-Trimethylbenzene	**2280**	ug/L	25.0	25		07/13/17 16:29	95-63-6	
1,3,5-Trimethylbenzene	**823**	ug/L	25.0	25		07/13/17 16:29	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/12/17 23:36	75-01-4	
Xylene (Total)	**4520**	ug/L	50.0	25		07/13/17 16:29	1330-20-7	
m&p-Xylene	**4350**	ug/L	50.0	25		07/13/17 16:29	179601-23-1	
o-Xylene	**171**	ug/L	1.0	1		07/12/17 23:36	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%.	68-153	1		07/12/17 23:36	17060-07-0	
4-Bromofluorobenzene (S)	93	%.	79-124	1		07/12/17 23:36	460-00-4	
Toluene-d8 (S)	88	%.	69-124	1		07/12/17 23:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

QC Batch: 31241 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7023628001, 7023628002, 7023628003, 7023628004, 7023628005, 7023628006

METHOD BLANK: 144636 Matrix: Water
Associated Lab Samples: 7023628001, 7023628002, 7023628003, 7023628004, 7023628005, 7023628006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/12/17 17:32	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/12/17 17:32	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/12/17 17:32	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/12/17 17:32	
1,1-Dichloroethane	ug/L	ND	1.0	07/12/17 17:32	
1,1-Dichloroethene	ug/L	ND	1.0	07/12/17 17:32	
1,1-Dichloropropene	ug/L	ND	1.0	07/12/17 17:32	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/12/17 17:32	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/12/17 17:32	
1,2,4,5-tetramethylbenzene	ug/L	ND	1.0	07/12/17 17:32	N3
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/12/17 17:32	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	07/12/17 17:32	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/12/17 17:32	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/12/17 17:32	
1,2-Dichloroethane	ug/L	ND	1.0	07/12/17 17:32	
1,2-Dichloropropane	ug/L	ND	1.0	07/12/17 17:32	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	07/12/17 17:32	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/12/17 17:32	
1,3-Dichloropropane	ug/L	ND	1.0	07/12/17 17:32	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/12/17 17:32	
1,4-Diethylbenzene	ug/L	ND	1.0	07/12/17 17:32	N3
2,2-Dichloropropane	ug/L	ND	1.0	07/12/17 17:32	
2-Butanone (MEK)	ug/L	ND	5.0	07/12/17 17:32	IL
2-Chlorotoluene	ug/L	ND	1.0	07/12/17 17:32	
2-Hexanone	ug/L	ND	5.0	07/12/17 17:32	
4-Chlorotoluene	ug/L	ND	1.0	07/12/17 17:32	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	07/12/17 17:32	
Acetone	ug/L	ND	5.0	07/12/17 17:32	
Benzene	ug/L	ND	1.0	07/12/17 17:32	
Bromobenzene	ug/L	ND	1.0	07/12/17 17:32	
Bromochloromethane	ug/L	ND	1.0	07/12/17 17:32	
Bromodichloromethane	ug/L	ND	1.0	07/12/17 17:32	
Bromoform	ug/L	ND	1.0	07/12/17 17:32	
Bromomethane	ug/L	ND	1.0	07/12/17 17:32	
Carbon disulfide	ug/L	ND	1.0	07/12/17 17:32	
Carbon tetrachloride	ug/L	ND	1.0	07/12/17 17:32	
Chlorobenzene	ug/L	ND	1.0	07/12/17 17:32	
Chlorodifluoromethane	ug/L	ND	1.0	07/12/17 17:32	N3
Chloroethane	ug/L	ND	1.0	07/12/17 17:32	
Chloroform	ug/L	ND	1.0	07/12/17 17:32	
Chloromethane	ug/L	ND	1.0	07/12/17 17:32	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

METHOD BLANK: 144636 Matrix: Water
Associated Lab Samples: 7023628001, 7023628002, 7023628003, 7023628004, 7023628005, 7023628006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/12/17 17:32	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/12/17 17:32	
Dibromochloromethane	ug/L	ND	1.0	07/12/17 17:32	
Dibromomethane	ug/L	ND	1.0	07/12/17 17:32	
Dichlorodifluoromethane	ug/L	ND	1.0	07/12/17 17:32	
Ethanol	ug/L	ND	250	07/12/17 17:32	
Ethylbenzene	ug/L	ND	1.0	07/12/17 17:32	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/12/17 17:32	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	07/12/17 17:32	
m&p-Xylene	ug/L	ND	2.0	07/12/17 17:32	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/12/17 17:32	
Methylene Chloride	ug/L	ND	1.0	07/12/17 17:32	
n-Butylbenzene	ug/L	ND	1.0	07/12/17 17:32	
n-Propylbenzene	ug/L	ND	1.0	07/12/17 17:32	
Naphthalene	ug/L	ND	1.0	07/12/17 17:32	CC
o-Xylene	ug/L	ND	1.0	07/12/17 17:32	
p-Isopropyltoluene	ug/L	ND	1.0	07/12/17 17:32	
sec-Butylbenzene	ug/L	ND	1.0	07/12/17 17:32	
Styrene	ug/L	ND	1.0	07/12/17 17:32	
tert-Butylbenzene	ug/L	ND	1.0	07/12/17 17:32	
Tetrachloroethene	ug/L	ND	1.0	07/12/17 17:32	
Toluene	ug/L	ND	1.0	07/12/17 17:32	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/12/17 17:32	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/12/17 17:32	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	07/12/17 17:32	
Trichloroethene	ug/L	ND	1.0	07/12/17 17:32	
Trichlorofluoromethane	ug/L	ND	1.0	07/12/17 17:32	
Vinyl chloride	ug/L	ND	1.0	07/12/17 17:32	
Xylene (Total)	ug/L	ND	2.0	07/12/17 17:32	
1,2-Dichloroethane-d4 (S)	%.	87	68-153	07/12/17 17:32	
4-Bromofluorobenzene (S)	%.	98	79-124	07/12/17 17:32	
Toluene-d8 (S)	%.	94	69-124	07/12/17 17:32	

LABORATORY CONTROL SAMPLE: 144637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.2	108	74-113	
1,1,1-Trichloroethane	ug/L	50	53.4	107	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	46.0	92	74-121	
1,1,2-Trichloroethane	ug/L	50	49.9	100	80-117	
1,1-Dichloroethane	ug/L	50	51.5	103	83-151	
1,1-Dichloroethene	ug/L	50	53.4	107	45-146	
1,1-Dichloropropene	ug/L	50	52.5	105	59-127	
1,2,3-Trichlorobenzene	ug/L	50	42.4	85	67-103	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

LABORATORY CONTROL SAMPLE: 144637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	45.1	90	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	37.0	74	66-103	N3
1,2,4-Trichlorobenzene	ug/L	50	44.3	89	66-116	
1,2,4-Trimethylbenzene	ug/L	50	43.9	88	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	53.8	108	83-115	
1,2-Dichlorobenzene	ug/L	50	45.6	91	74-113	
1,2-Dichloroethane	ug/L	50	48.8	98	74-129	
1,2-Dichloropropane	ug/L	50	50.5	101	75-117	
1,3,5-Trimethylbenzene	ug/L	50	44.0	88	67-116	
1,3-Dichlorobenzene	ug/L	50	45.0	90	71-112	
1,3-Dichloropropane	ug/L	50	49.7	99	74-112	
1,4-Dichlorobenzene	ug/L	50	44.9	90	71-113	
1,4-Diethylbenzene	ug/L	50	46.2	92	56-130	N3
2,2-Dichloropropane	ug/L	50	58.1	116	63-133	
2-Butanone (MEK)	ug/L	50	50.7	101	44-162	IL
2-Chlorotoluene	ug/L	50	43.0	86	74-101	
2-Hexanone	ug/L	50	59.0	118	32-183	CC
4-Chlorotoluene	ug/L	50	43.4	87	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	54.6	109	69-132	
Acetone	ug/L	50	53.6	107	23-188	CC
Benzene	ug/L	50	51.7	103	73-119	
Bromobenzene	ug/L	50	46.6	93	72-102	
Bromochloromethane	ug/L	50	55.2	110	81-116	
Bromodichloromethane	ug/L	50	51.6	103	78-117	
Bromoform	ug/L	50	53.7	107	65-122	
Bromomethane	ug/L	50	55.0	110	52-147	
Carbon disulfide	ug/L	50	46.6	93	41-144	
Carbon tetrachloride	ug/L	50	56.6	113	59-120	
Chlorobenzene	ug/L	50	50.6	101	75-113	
Chlorodifluoromethane	ug/L	50	48.4	97	43-140	N3
Chloroethane	ug/L	50	47.2	94	49-151	
Chloroform	ug/L	50	50.5	101	72-122	
Chloromethane	ug/L	50	46.2	92	46-144	
cis-1,2-Dichloroethene	ug/L	50	51.6	103	72-121	
cis-1,3-Dichloropropene	ug/L	50	55.9	112	78-116	
Dibromochloromethane	ug/L	50	54.4	109	70-120	
Dibromomethane	ug/L	50	50.0	100	75-125	
Dichlorodifluoromethane	ug/L	50	65.8	132	22-154	CC
Ethanol	ug/L	1250	1150	92	10-151	
Ethylbenzene	ug/L	50	51.3	103	70-113	
Hexachloro-1,3-butadiene	ug/L	50	54.3	109	59-121	CC
Isopropylbenzene (Cumene)	ug/L	50	45.0	90	67-115	
m&p-Xylene	ug/L	100	106	106	72-115	
Methyl-tert-butyl ether	ug/L	50	50.4	101	72-131	
Methylene Chloride	ug/L	50	49.1	98	61-142	
n-Butylbenzene	ug/L	50	45.4	91	73-107	
n-Propylbenzene	ug/L	50	44.1	88	68-116	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

LABORATORY CONTROL SAMPLE: 144637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	35.3	71	70-118	CC
o-Xylene	ug/L	50	52.1	104	73-117	
p-Isopropyltoluene	ug/L	50	46.2	92	73-101	
sec-Butylbenzene	ug/L	50	45.6	91	72-103	
Styrene	ug/L	50	51.8	104	72-118	
tert-Butylbenzene	ug/L	50	45.7	91	68-100	
Tetrachloroethene	ug/L	50	46.7	93	60-128	
Toluene	ug/L	50	51.3	103	72-119	
trans-1,2-Dichloroethene	ug/L	50	53.5	107	56-142	
trans-1,3-Dichloropropene	ug/L	50	59.1	118	79-116	L1
trans-1,4-Dichloro-2-butene	ug/L	50	46.3	93	71-121	
Trichloroethene	ug/L	50	50.7	101	69-117	
Trichlorofluoromethane	ug/L	50	52.6	105	27-173	
Vinyl chloride	ug/L	50	51.1	102	43-143	
Xylene (Total)	ug/L	150	159	106	71-109	
1,2-Dichloroethane-d4 (S)	%.			87	68-153	
4-Bromofluorobenzene (S)	%.			99	79-124	
Toluene-d8 (S)	%.			93	69-124	

MATRIX SPIKE SAMPLE: 146135

Parameter	Units	7023780002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50.2	100	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	50.9	102	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	47.0	94	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	50.9	102	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	51.9	104	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	56.1	112	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	51.1	102	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	42.4	85	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	46.2	92	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	38.6	77	66-103	N3
1,2,4-Trichlorobenzene	ug/L	<1.0	50	44.2	88	66-116	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	51.5	103	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	54.2	108	83-115	
1,2-Dichlorobenzene	ug/L	<1.0	50	45.5	91	74-113	
1,2-Dichloroethane	ug/L	<1.0	50	50.2	100	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	49.0	98	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	47.4	95	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	43.8	88	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	49.5	99	74-112	
1,4-Dichlorobenzene	ug/L	<1.0	50	43.7	87	71-113	
1,4-Diethylbenzene	ug/L	<1.0	50	51.0	102	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	51.0	102	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	48.9	98	44-162	IL

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

MATRIX SPIKE SAMPLE: 146135

Parameter	Units	7023780002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	<1.0	50	42.4	85	74-101	
2-Hexanone	ug/L	<5.0	50	60.3	121	32-183	CC
4-Chlorotoluene	ug/L	<1.0	50	41.5	83	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	58.6	117	69-132	
Acetone	ug/L	41.8	50	64.9	46	23-188	CC
Benzene	ug/L	<1.0	50	51.4	103	73-119	
Bromobenzene	ug/L	<1.0	50	45.1	90	72-102	
Bromochloromethane	ug/L	<1.0	50	56.6	113	81-116	
Bromodichloromethane	ug/L	<1.0	50	49.1	98	78-117	
Bromoform	ug/L	<1.0	50	49.4	99	65-122	
Bromomethane	ug/L	<1.0	50	54.0	108	52-147	
Carbon disulfide	ug/L	<1.0	50	47.3	95	41-144	
Carbon tetrachloride	ug/L	<1.0	50	50.5	101	59-120	
Chlorobenzene	ug/L	<1.0	50	49.1	98	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	48.1	96	43-140	N3
Chloroethane	ug/L	<1.0	50	46.5	93	49-151	
Chloroform	ug/L	<1.0	50	50.9	102	72-122	
Chloromethane	ug/L	<1.0	50	46.1	92	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	51.2	102	72-121	
cis-1,3-Dichloropropene	ug/L	<1.0	50	53.3	107	78-116	
Dibromochloromethane	ug/L	<1.0	50	49.9	100	70-120	
Dibromomethane	ug/L	<1.0	50	51.6	103	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	61.7	123	22-154	CC
Ethanol	ug/L	<250	1250	1190	95	10-151	
Ethylbenzene	ug/L	<1.0	50	50.5	101	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	45.4	91	59-121	CC
Isopropylbenzene (Cumene)	ug/L	<1.0	50	43.2	86	67-115	
m&p-Xylene	ug/L	<2.0	100	119	119	72-115	M1
Methyl-tert-butyl ether	ug/L	<1.0	50	52.7	105	72-131	
Methylene Chloride	ug/L	<1.0	50	49.5	99	61-142	
n-Butylbenzene	ug/L	<1.0	50	43.1	86	73-107	
n-Propylbenzene	ug/L	<1.0	50	42.3	85	68-116	
Naphthalene	ug/L	<1.0	50	63.1	126	70-118	CC,M1
o-Xylene	ug/L	<1.0	50	61.6	123	73-117	M1
p-Isopropyltoluene	ug/L	<1.0	50	42.7	85	73-101	
sec-Butylbenzene	ug/L	<1.0	50	43.3	87	72-103	
Styrene	ug/L	<1.0	50	50.2	100	72-118	
tert-Butylbenzene	ug/L	<1.0	50	43.8	88	68-100	
Tetrachloroethene	ug/L	<1.0	50	44.7	89	60-128	
Toluene	ug/L	<1.0	50	52.5	105	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	53.5	107	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	55.7	111	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	43.4	87	71-121	
Trichloroethene	ug/L	<1.0	50	49.9	100	69-117	
Trichlorofluoromethane	ug/L	<1.0	50	52.6	105	27-173	
Vinyl chloride	ug/L	<1.0	50	52.0	104	43-143	
Xylene (Total)	ug/L	<2.0	150	180	120	71-109	MS

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

MATRIX SPIKE SAMPLE: 146135

Parameter	Units	7023780002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%.				87	68-153	
4-Bromofluorobenzene (S)	%.				99	79-124	
Toluene-d8 (S)	%.				93	69-124	

SAMPLE DUPLICATE: 146134

Parameter	Units	7023780001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	ND		
1,1,1-Trichloroethane	ug/L	<1.0	ND		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	ND		
1,1,2-Trichloroethane	ug/L	<1.0	ND		
1,1-Dichloroethane	ug/L	<1.0	ND		
1,1-Dichloroethene	ug/L	<1.0	ND		
1,1-Dichloropropene	ug/L	<1.0	ND		
1,2,3-Trichlorobenzene	ug/L	<1.0	ND		
1,2,3-Trichloropropane	ug/L	<1.0	ND		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	ND		N3
1,2,4-Trichlorobenzene	ug/L	<1.0	ND		
1,2,4-Trimethylbenzene	ug/L	<1.0	ND		
1,2-Dibromoethane (EDB)	ug/L	<1.0	ND		
1,2-Dichlorobenzene	ug/L	<1.0	ND		
1,2-Dichloroethane	ug/L	<1.0	ND		
1,2-Dichloropropane	ug/L	<1.0	ND		
1,3,5-Trimethylbenzene	ug/L	<1.0	ND		
1,3-Dichlorobenzene	ug/L	<1.0	ND		
1,3-Dichloropropane	ug/L	<1.0	ND		
1,4-Dichlorobenzene	ug/L	<1.0	ND		
1,4-Diethylbenzene	ug/L	<1.0	ND		N3
2,2-Dichloropropane	ug/L	<1.0	ND		
2-Butanone (MEK)	ug/L	<5.0	ND		IL
2-Chlorotoluene	ug/L	<1.0	ND		
2-Hexanone	ug/L	<5.0	ND		
4-Chlorotoluene	ug/L	<1.0	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	ND		
Acetone	ug/L	<5.0	ND		
Benzene	ug/L	<1.0	ND		
Bromobenzene	ug/L	<1.0	ND		
Bromochloromethane	ug/L	<1.0	ND		
Bromodichloromethane	ug/L	<1.0	ND		
Bromoform	ug/L	<1.0	ND		
Bromomethane	ug/L	<1.0	ND		
Carbon disulfide	ug/L	<1.0	ND		
Carbon tetrachloride	ug/L	<1.0	ND		
Chlorobenzene	ug/L	<1.0	ND		
Chlorodifluoromethane	ug/L	<1.0	ND		N3

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

SAMPLE DUPLICATE: 146134

Parameter	Units	7023780001 Result	Dup Result	RPD	Qualifiers
Chloroethane	ug/L	<1.0	ND		
Chloroform	ug/L	<1.0	ND		
Chloromethane	ug/L	<1.0	ND		
cis-1,2-Dichloroethene	ug/L	<1.0	ND		
cis-1,3-Dichloropropene	ug/L	<1.0	ND		
Dibromochloromethane	ug/L	<1.0	ND		
Dibromomethane	ug/L	<1.0	ND		
Dichlorodifluoromethane	ug/L	<1.0	ND		
Ethanol	ug/L	<250	ND		
Ethylbenzene	ug/L	<1.0	ND		
Hexachloro-1,3-butadiene	ug/L	<1.0	ND		
Isopropylbenzene (Cumene)	ug/L	<1.0	ND		
m&p-Xylene	ug/L	<2.0	ND		
Methyl-tert-butyl ether	ug/L	<1.0	ND		
Methylene Chloride	ug/L	<1.0	ND		
n-Butylbenzene	ug/L	<1.0	ND		
n-Propylbenzene	ug/L	<1.0	ND		
Naphthalene	ug/L	<1.0	ND		CC
o-Xylene	ug/L	<1.0	ND		
p-Isopropyltoluene	ug/L	<1.0	ND		
sec-Butylbenzene	ug/L	<1.0	ND		
Styrene	ug/L	<1.0	ND		
tert-Butylbenzene	ug/L	<1.0	ND		
Tetrachloroethene	ug/L	<1.0	ND		
Toluene	ug/L	<1.0	ND		
trans-1,2-Dichloroethene	ug/L	<1.0	ND		
trans-1,3-Dichloropropene	ug/L	<1.0	ND		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	ND		
Trichloroethene	ug/L	<1.0	ND		
Trichlorofluoromethane	ug/L	<1.0	ND		
Vinyl chloride	ug/L	<1.0	ND		
Xylene (Total)	ug/L	<2.0	ND		
1,2-Dichloroethane-d4 (S)	%.	88	89	1	
4-Bromofluorobenzene (S)	%.	96	96	0	
Toluene-d8 (S)	%.	92	92	0	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CONVENTUS #N46001001
Pace Project No.: 7023628

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7023628001	**BCP-MW-1-070517**	EPA 8260C/5030C	31241		
7023628002	**BCP-MW-7-070517**	EPA 8260C/5030C	31241		
7023628003	**BCP-MW-6-070517**	EPA 8260C/5030C	31241		
7023628004	**BCP-MW-3-070517**	EPA 8260C/5030C	31241		
7023628005	**BCP-MW-4-070517**	EPA 8260C/5030C	31241		
7023628006	**BCP-MW-5-070517**	EPA 8260C/5030C	31241		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must

WO#: 7023628

7023628

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: C&S Engineers	Report To: Cody Martin	Attention: Cody Martin
Address: 141 Elm Street	Copy To:	Company Name: C&S Engineers
		Address: 141 Elm Street
Email To: CMartin@cscos.com	Purchase Order No.:	Pace Quote Reference:
Phone: 7169552021 Fax:	Project Name: Conventus	Pace Project Manager:
Requested Due Date/TAT: Standard	Project Number: N46000100L	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	TCL VOC	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	BCP-MW-1-070517		WT	G			7/5/17	9:15		2				X						X		
2	BCP-MW-7-070517							9:58														
3	BCP-MW-6-070517							11:10														
4	BCP-MW-3-070517							12:00														
5	BCP-MW-4-070517							13:00														
6	BCP-MW-5-070517							14:15														
7	MSMW																					
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Cody Martin C&S	7/6/17	10:35	PACE	7/7/17	1039	
		7/7/17	1700		7/8/17	10:20	2.3 4 5 4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Cody Martin

SIGNATURE of SAMPLER: Cody Martin DATE Signed (MM/DD/YY): 07/6/17

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.3	4	5	4

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical™ Long Island Laboratory

Sample Condition Upon Rec

WO#: 7023628
PM: JM1 Due Date: 07/19/17
CLIENT: CSC

Client Name: CSC Proje

Courier: X Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 7795 8129 0644

Custody Seal on Cooler/Box Present: X Yes ☐ No Seals Intact: X Yes ☐ No

Packing Material: ☐ Bubble Wrap X Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH092 Correction Factor: 0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.3 Cooler Temperature Corrected (°C): 2.3 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (X N/A, water sample) Date and Initials of person examining contents: JK 7/18/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes X No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☐Yes	☐No		1.
Chain of Custody Filled Out:	☐Yes	☐No		2.
Chain of Custody Relinquished:	☐Yes	☐No		3.
Sampler Name & Signature on COC:	☐Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☐Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☐No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☐Yes	☐No		8.
Correct Containers Used:	☐Yes	☐No		9.
-Pace Containers Used:	☐Yes	☐No		
Containers Intact:	☐Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☐N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL	☐Yes	☐No		12.
All containers needing preservation have been checked pH paper Lot #	☐Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: Residual chlorine strips Lot #	☐Yes	☐No	☐N/A	14. Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

*** PM (Project Manager) review is documented electronically in LIMS.**

F-LI-C-002-rev.01

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: 1.7

Reporting Period: March 24, 2017 to March 24, 2018

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

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

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

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

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

SITE NO. 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
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 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 Hughes (print name) at C&S Engineers, Inc 141 Elm St. Buffalo, NY 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

7/10/18
Date

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 Hughes (print name) at C&S Engineers, Inc. 14 Elm St. Buffalo, NY 14203 (print business address),

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

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

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

Stamp (Required for PE)

7/10/18
Date