2017

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
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Prepared on Behalf of:

CONVENTUS PARTNERS, LLC

KALEIDA HEALTH

KALEIDA PROPERTIES, INC.

F.L.C 50 HIGH STREET CORPORATION

JULY 2017

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ACRONYM LIST

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

EXECUTIVE SUMMARY

C&S Engineers, Inc. (C&S) has prepared this 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

No in-situ injections were conducted during this reporting period.

1.4.2 November 2016 On-site Groundwater Communication Pump Test

The NYSDEC requested the removal of groundwater from the most contaminated on-site wells to determine if pump-and-treat is a viable remedial approach. The Department also requested the collection of additional data on the hydraulic communication between the on-site monitoring wells. The pump test was conducted on BCP-MW-4, a 2-inch diameter monitoring well, located approximately within the center of the Site. Pressure transducers were placed in BCP-MW-3, BCP-MW-4, BCP-MW-5 and BCP-MW-6.

The results of this pumping test demonstrated that groundwater flow is generally limited to a slight gradient from the corner of Main and High Streets toward the Site. The groundwater contours in the remainder of the Site suggest a general lack of flow, as gradients are generally towards the center of the Site. This result suggests that the sheet piling has been effective in eliminating hydraulic connection to areas outside the Site, with the exception of the southwestern corner. During pumping, water levels were affected in the monitoring wells with pressure transducers indicating that there is a hydraulic connection between these wells.

The July 2016 pump test demonstrated a hydraulic connection exists between on-site wells BCP-MW-01 and BCP-MW-06 and off-site wells MS-MW-02, -03, and -04. Coupled with the November 2016 pump test results, which demonstrated a connection between on-site wells BCP-MW-3, -4, -5, and 6, all on-site and off-site wells, with the exception of MS-MW-01, appear to have some level of hydraulic connection.

1.4.3 2016 – 2017 Groundwater Pump and Treat

Limited groundwater extraction was conducted on the four monitoring wells that contain petroleum concentrations above NYSDEC guidance levels. Groundwater was removed from the following wells:

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

Groundwater pumping occurred once a week for three months (12 groundwater extraction events from November 3, 2016 to January 20, 2017).

Groundwater was removed using submersible electric pumps. Groundwater was transferred into a 55-gallon steel drum with 200 pounds of activated carbon. C&S obtained a temporary discharge permit from the Buffalo Sewer Authority to discharge treated groundwater into a sanitary sewer sump located in the sub-basement of the building. Discharge samples were collected and analyzed for VOCs. Sample results indicate that the activated carbon treatment removed 99% - 100% of VOCs in the groundwater.

The waste water discharge permit is provided in Appendix C.

Table 1-2: Gallons Removed from Monitoring Wells

DATE	*BCP-MW-3*	*BCP-MW-4*	*BCP-MW-5*	*BCP-MW-6*
11/3/2016	47	132	3	473
11/8/2016	40	213	7	395
11/17/2016	30	202	6	294
11/22/2016	38	133	5	230
12/1/2016	26	182	5	366
12/8/2016	25	179	5	249
12/15/2016	24	108	5	164
12/21/2016	28	136	5	360
1/5/2017	29	176	5	411
1/12/2017	29	213	5	320
1/19/2017	28	148	5	245
1/20/2017	26	115	5	288
Totals	**369**	**1939**	**61**	**3793**

Total volume of groundwater removed was 6,161 gallons

2 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

2.1 In-situ Chemical Oxidation

No in-situ treatments were conducted during this reporting period.

2.2 2016 – 2017 Groundwater Pump and Treat

Samples were collected from the four wells prior to (November 1, 2016), at the mid-point (December 9, 2016), and at the end (January 20, 2017) of the 2016 – 2017 Pump-and-Treat Pilot Study period. Samples were also collected at the point of discharge into the sanitary sewer to confirm the efficacy of the treatment via activated carbon. The results are summarized in Table 1. Sample results indicate the following:

- Concentrations in BCP-MW-3 had decreased prior to the initiation of pumping and fluctuated slightly during the Pump-and-Treat Pilot Study period;
- Concentrations in BCP-MW-4 increased during the Pump-and-Treat Pilot Study to levels at are consistent with results of the March and June 2016 sampling;
- Concentrations in BCP-MW-5 and BCP-MW-6 have generally remained at asymptotic levels at 5,000 to 6,600 ug/L and 1,000 to 1,200 ug/L, respectively; and
- Discharge sample results indicate that the activated carbon treatment removed 99% - 100% of VOCs in the groundwater.

Based on these results, the Pump-and-Treat Pilot study did not appear to have a significant effect on the groundwater contaminant concentrations.

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	
March 11, 2015	March 22, 2016	
June 17, 2015	June 3, 2016	
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, attached to this letter, 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

For three years following the source removal, the residual groundwater contamination has been monitored and periodically treated using in-situ methods. Based on the

contaminant trends, petroleum concentrations have reached asymptotic levels in most on-site wells. The sheet piling around the Site has worked as designed and has eliminated all off-site migration of residual groundwater contamination. Additionally, potential exposure routes to the residual groundwater contamination have been eliminated due to the removal of the unsaturated source soils, the presence of the concrete slab of the building, and the cessation of off-site migration.

Due to the presence of infrastructure associated with NFTA's train tunnel, a gap in the sheet piling was necessary during construction, creating a hydraulic connection between the Site and more highly contaminated groundwater immediately upgradient of the Site. Because of this hydraulic connection, no method, including installing a pump and treat system, will be effective in the long-term to remediate the remaining contaminant concentrations at the Site. The upgradient, off-site area will act as a continuing source of contaminant concentrations at the Site.

Based on the positive results from the third chemical treatment, C&S recommends conducting a fourth treatment on the monitoring wells containing BTEX concentrations. The groundwater remediation will be performed using the In-Situ Chemical Oxidation (ISCO) treatment method on the monitoring wells located in the sub-basement of the Conventus Building. The proposed material also creates conditions amiable to aerobic bioremediation following chemical oxidant injection. The onsite treatment areas have exceedances for the BTEX compounds in a ½ - 3-foot zone located approximately 30 feet below ground surface. The goal of the ISCO injections for the on-site areas is to reduce the groundwater BTEX concentrations until they reach asymptotic levels. C&S will select the chemical mixture needed to treat the Site based on the BTEX concentration of the groundwater monitoring wells.

To address the residual contamination, oxidizing chemicals will be applied into the following wells:

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

No treatments will be applied to BCP-MW-1, 2, and 7 because no contaminants have been detected in these monitoring wells.

In-situ treatment consists of gravity-feeding a chemical oxidizer mixed with water directly into monitoring wells. The ISCO product is RegenOX manufactured by Regensis. RegenOX is sodium percarbonate formulated to degrade petroleum hydrocarbons through direct oxidation and through the generation of free radical compounds which will also oxidize contaminants. RegenOx produces minimal heat and pressure and is non-corrosive, making it a relatively safe chemical oxidant that is compatible for use in direct contact with underground infrastructure such as utilities, tanks, piping, and communication lines. This was an important characteristic when

selecting the ISCO product due to the close proximity of the monitoring wells to the earth retention sheeting for the Conventus Building.

At this time, one treatment event will be conducted followed by groundwater sampling 6 to 8 weeks after treatment. All groundwater samples will be collected for VOCs and analyzed using EPA Method 8260. The results will be compared to prior groundwater sample results. A report will be provided to the NYSDEC that describes the field program, evaluates performance of the selected remedy, and discusses the possible next steps for the Site.

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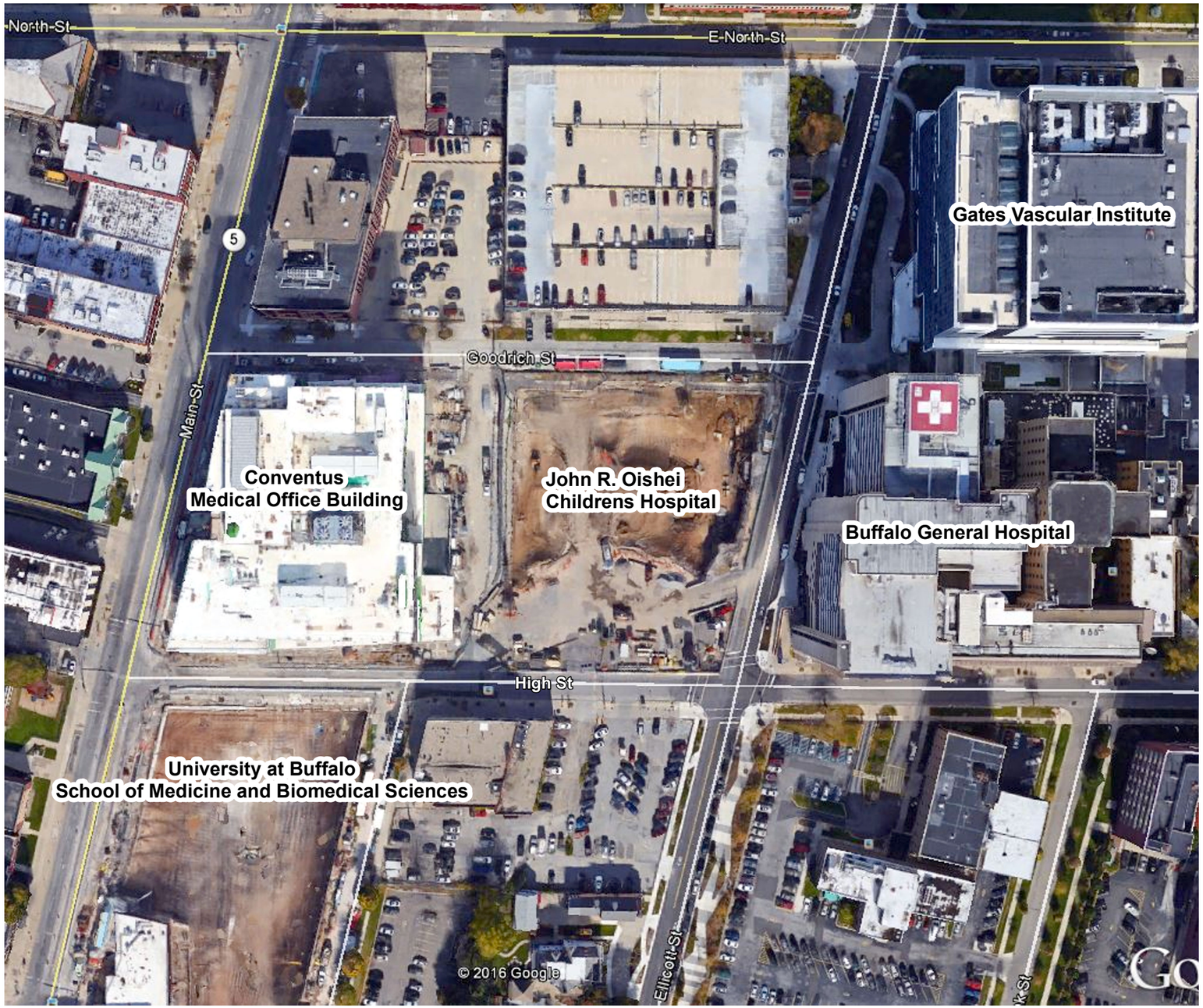
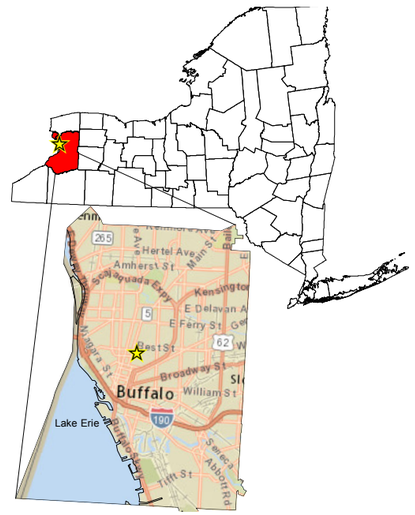
FIGURES





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

MARK	DATE	DESCRIPTION

REVISIONS

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

SITE LOCATION

FIGURE 1

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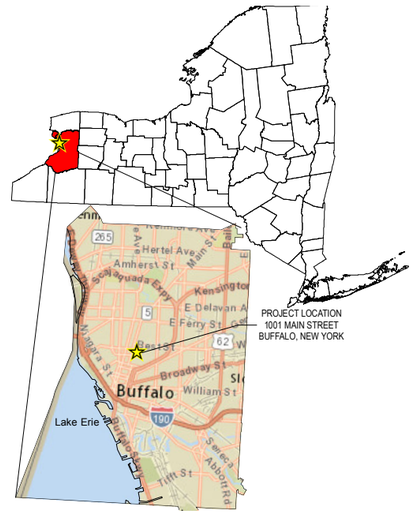

Legend

- 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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FORMER MOBIL STATION 99-MST
979 MAIN ST (1001 MAIN ST)
BROWNFIELD CLEANUP PROGRAM
BUFFALO, NEW YORK

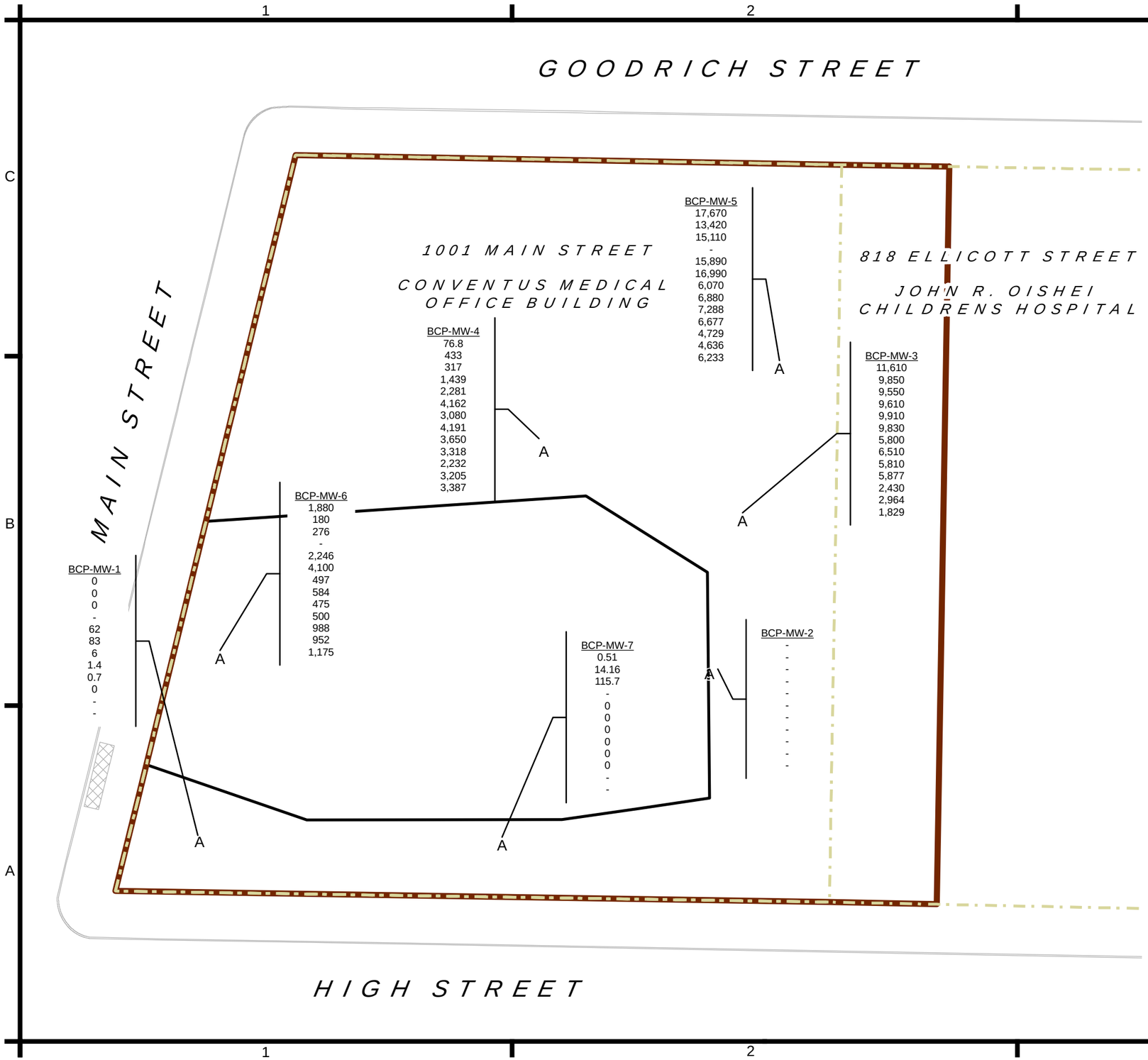
MARK	DATE	DESCRIPTION
REVISIONS		

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

PROJECT BOUNDARIES

FIGURE 2

Path: F:\Project\K11-Kaleida Health\K11.002.001 - MOB Brownfield Cleanup Program\Environmental-study\CADD-GIS\GIS\Projects\PRR\FIGURE_2_PROJECT_BOUNDARIES.mxd



Legend

- Property Lines
- Brownfield Cleanup Program Boundary
- Area of Deep Excavation to -40 ft (below former ground surface)
- A — 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

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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REVISIONS

PROJECT NO:	K11.002.001
DATE:	APRIL 2017
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	D. RIKER

HISTORIC BTEX CONCENTRATIONS

FIGURE 3

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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-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	8/3/2014	12/15/2015	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	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
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
		Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	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	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACETONE	50	50	ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	**98**	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZENE	1	1	ND	ND	ND		**35**	**39**	**5.7**	**1.4**	0.72	ND			**6,600**	**4,500**	**4,700**	**3,700**	**4,300**	**4,100**	**2,100**	**2,200**	**1,900**	**3,100**	**1,390**	**635**	**363**
ETHYLBENZENE	5	5	ND	ND	ND		2	1.5	ND	ND	ND	ND			**1,200**	**1,600**	**1,500**	**1,600**	**1,500**	**1,700**	**1,400**	**1,600**	**1,600**	**610**	**194**	**899**	**517**
ISOPROPYLBENZENE (CUMENE)	5	5	ND	ND	ND		1.3	ND	ND	ND	ND	ND			ND	**37**	ND	**32**	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYL ETHYL KETONE (2-BUTANONE)	50	50	ND	ND	ND		ND	45	ND	ND	ND	ND			ND	**71**	ND	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	5	ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	**35**	ND	ND	ND
TOLUENE	5	5	ND	ND	ND		**19**	**38**	0.55	ND	ND	ND			**110**	**150**	**150**	**110**	**110**	**130**	**100**	**110**	**110**	**67**	**39.4**	**74.5**	**38.4**
1,1,2-TRICHLOROETHANE			ND	ND	ND		ND	ND	ND	0.33 J	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND				
XYLENES, TOTAL	5	5	ND	ND	ND		**6.4**	4.2	ND	ND	ND	ND			**3,700**	**3,600**	**3,200**	**4200**	**4000**	**3900**	**2200**	**2600**	**2200**	**2100**	**806.3**	**1430**	**949**
No Standard																											
CARBON DISULFIDE			ND	ND	0.94		ND	ND	ND	ND	ND	ND			ND	ND	ND	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
CYCLOHEXANE			ND	ND	ND		35	59	61	51	72	ND			120	320	270	390	330	210	100	93	110	170	ND	ND	ND
METHYL ISOBUTYL KETONE			ND	ND	ND		ND	13	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLCYCLOHEXANE			ND	ND	0.47		3.2	17	15	11	ND	ND			ND	130	150	120	160	96	34	33	36 J	170	47.7	ND	ND
Total VOCs			**0**	**0**	**1.41**	**-**	**101.90**	**216.70**	**85.75**	**63.40**	**72.72**	**0**			**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**
Total BTEX			**0**	**0**	**0**	**-**	**62**	**83**	**6**	**1.4**	**0.7**	**0**			**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**

Notes:

Not Sampled

1) BCP MW-2 was dry and not sampled

2) 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.

3) WG = groundwater

Volatile Organic Compound	Surface Water	Groundwater	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-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	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
			Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
			Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYSDEC Ambient Water Quality Standards & Guidance Values																													
2-HEXANONE	50	50		ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
ACETONE	50	50		10	**250**	**170**	**67**	ND	210.00	ND	ND	ND	ND	ND	ND	ND	ND	**520**	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZENE	1	1		**42**	**29**	**15**	**26**	**24**	**242**	ND	**21**	ND	**21**	**9.57**	**12.8**	**10.2**	**5,600**	**4,800**	**4,900**		**3,700**	**4,100**	**1,800**	**1,800**	**1,700**	**1,600**	**899**	**949**	**682**
ETHYLBENZENE	5	5		4.7	**34**	**32**	**560**	**1,000**	**680**	**1,100**	**1300**	**1,400**	**1400**	**1,000**	**1170**	**1,300**	**1,900**	**1,600**	**1,600**		**2,800**	**2,600**	**1,600**	**1,900**	**2,200**	**2,200**	**1,490**	**1,450**	**2,070**
ISOPROPYLBENZENE (CUMENE)	5	5		ND	ND	ND	**9.8**	**15.0**	**26**	ND	ND	ND	ND	**19**	**30.3**	**28.7**	**28**	**29**	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYL ETHYL KETONE (2-BUTANONE)	50	50		ND	ND	ND	ND	8.50	ND	ND	ND	ND	ND	ND	ND	ND	10	**350**	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	5		ND	ND	1 J	ND	ND	ND	ND	**52**	ND	**42**	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	**77**	**96**	ND	ND	ND
TOLUENE	5	5		1.1	**190**	**110**	**53**	**57**	**140**	**180**	**270**	**150**	**97**	**62.4**	**130**	**133**	**170**	**220**	**310**		**290**	**290**	**70**	**80**	**88**	**77**	**68.5**	**84.9**	**86.6**
1,1,2-TRICHLOROETHANE				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES, TOTAL	5	5		**29**	**180**	**160**	**800**	**1,200**	**3100**	**1,800**	**2600**	**2,100**	**1800**	**1,160**	**1892**	**1,944**	**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**
No Standard																													
CARBON DISULFIDE				ND	ND	1.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
CYCLOHEXANE				8.2	11	7	170	170	110	160	220	250	340	189	259	276	230	340	240		430	260	230	250	280	430	198	148	257
METHYL ISOBUTYL KETONE				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	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	100	170	150		190	130	92	100	100	140	67.5	58.4	92.8
Total VOCs				**102.5**	**697.7**	**497.1**	**1,774.5**	**2,566.5**	**4,577.0**	**3,326.0**	**4,563.0**	**4,010.0**	**3,840.0**	**2,525.5**	**3,604.1**	**3,814.9**	**18,072**	**14,829**	**15,500**	**-**	**16,510**	**17,380**	**6,392**	**7,230**	**7,745**	**7,343**	**4,994**	**4,843**	**6,583**
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**	**17,670**	**13,420**	**15,110**	**-**	**15,890**	**16,990**	**6,070**	**6,880**	**7,288**	**6,677**	**4,729**	**4,636**	**6,233**

Notes:

Not Sampled

1) BCP MW-2 was dry and not sampled

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

3) WG = groundwater

Volatile Organic Compound	Surface Water	Groundwater	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-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	12/14/2015	1/27/2016	3/22/2016	6/3/2016	10/25/2016	12/8/2016	1/20/2017	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
			Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
			Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYSDEC Ambient Water Quality Standards & Guidance Values																												
2-HEXANONE	50	50		ND	ND	ND		190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8		ND	ND	ND	ND	ND	ND		
ACETONE	50	50		ND	ND	ND		480	340	ND	ND	ND	ND	ND	ND	ND	ND	3	ND		ND	ND	ND	ND	ND	ND		
BENZENE	1	1		**190**	**33**	**16**		**470**	**890**	**250**	**230**	**200**	**120**	**302**	**168**	**200**	0.51	**8.8**	**14**		ND	ND	ND	ND	ND	ND		
ETHYLBENZENE	5	5		**130**	**20**	**31**		**36**	**210**	**22**	**44**	**67**	**50**	**163**	**169**	**173**	ND	ND	3		ND	ND	ND	ND	ND	ND		
ISOPROPYLBENZENE (CUMENE)	5	5		4.4	ND	1.9 J			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	50	50		ND	ND	ND		110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		
METHYLENE CHLORIDE	5	5		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		
TOLUENE	5	5		**810**	**42**	**79**		**1,000**	**1,900**	**85**	**120**	**78**	**120**	**130**	**255**	**351**	ND	0.56	4.7		ND	ND	ND	ND	ND	ND		
1,1,2-TRICHLOROETHANE				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**	0.96	4.8	**94**		ND	ND	ND	0.99 J	ND	ND		
No Standard																												
CARBON DISULFIDE				ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.97		ND	ND	ND	ND	ND	ND		
CYCLOHEXANE				68	ND	130		270	41	62	110	110	91	81.5	ND	ND	ND	4.3	9.6		ND	ND	0.71	ND	ND	ND		
METHYL ISOBUTYL KETONE				ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		
METHYLCYCLOHEXANE				46	16	18		170	27	24	21	10	24	32.2	30.2	36.9	ND	1.7	5.1		0.18	ND	ND	ND	ND	ND		
Total VOCs				**1,998.4**	**196**	**424**	-	**3,466**	**4,508**	**583**	**715**	**595**	**615**	**1,101**	**983**	**1,212**	**1.47**	**23.16**	**136.17**	-	**0.18**	-	**0.71**	-	-	-	-	-
Total BTEX				**1,880**	**180**	**276**	-	**2,246**	**4,100**	**497**	**584**	**475**	**500**	**988**	**952**	**1,175**	**0.51**	**14.16**	**115.7**	-	-	-	-	-	-	-	-	-

Notes:

Not Sampled

1) BCP MW-2 was dry and not sampled

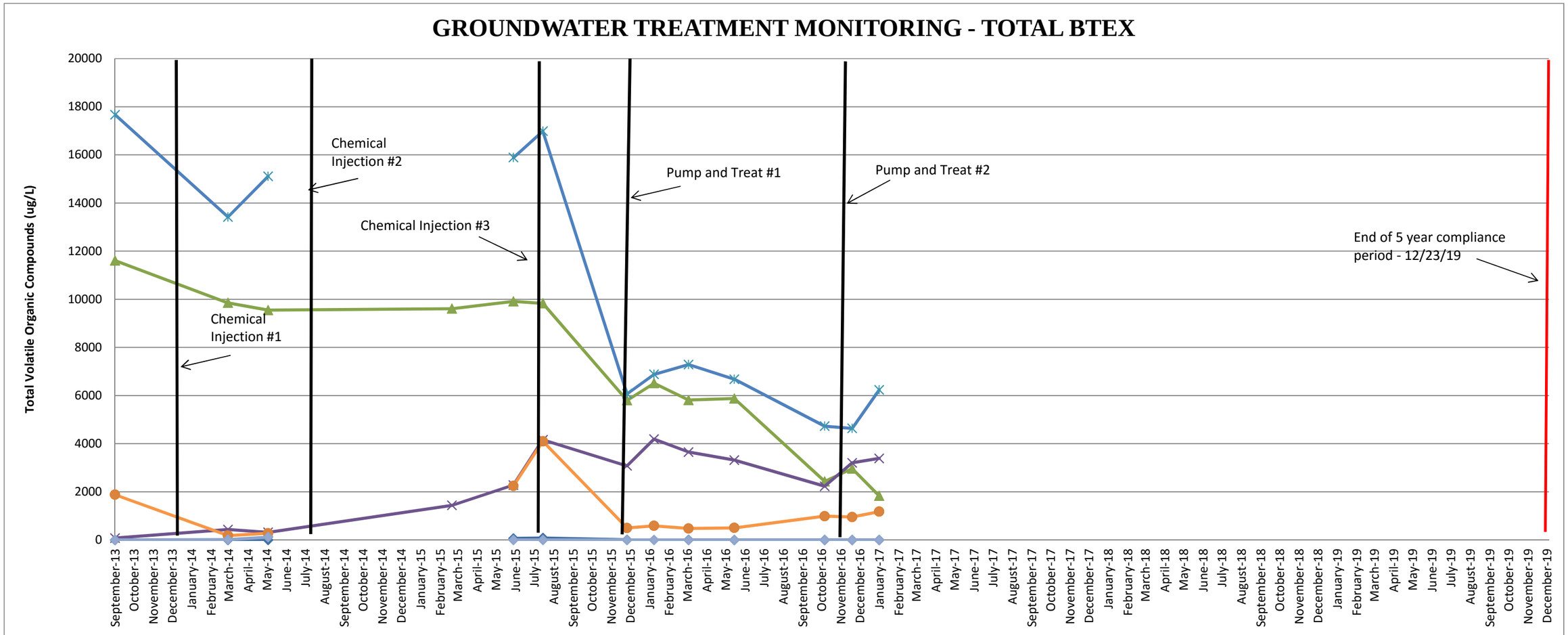
2) For the March 11, 2015 monitoring event well MW-1, MW-5, MW-6 and MW-
were dry or not enough water was inside the well for a representative sample.

3) WG = groundwater

GRAPHS

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

Graph 1



	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
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
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
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
BCP MW-6	1,880	180	276		2,246	4,100	497	584	475	500	988	952	1,175
BCP MW-7	1	14.16	115.7		0	0	0	-	-	-	-	-	-

APPENDICES

APPENDIX A
LABORATORY ANALYTICAL RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-101101-1
Client Project/Site: Well Sampling - MOB

For:
C&S Engineers, Inc.
141 Elm Street
Suite 100
Buffalo, New York 14203

Attn: Cody Martin

Joseph V. Giacomazza

Authorized for release by:
6/10/2016 10:03:26 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

Table of Contents

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Job ID: 480-101101-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-101101-1

Receipt
The samples were received on 6/3/2016 3:08 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.9º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: BCP-MW-4-060316 (480-101101-4), BCP-MW-3-060316 (480-101101-5), BCP-MW-5-060316 (480-101101-6), (480-101101-A-6 MS) and (480-101101-A-6 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-305188 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: BCP-MW-1-060316 (480-101101-1), BCP-MW-7-060316 (480-101101-2), BCP-MW-4-060316 (480-101101-4), BCP-MW-3-060316 (480-101101-5) and BCP-MW-5-060316 (480-101101-6).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: BCP-MW-6-060316 (480-101101-3). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Client Sample ID: BCP-MW-1-060316 — Lab Sample ID: 480-101101-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.72	J	1.0	0.41	ug/L	1		8260C	Total/NA
Cyclohexane	72		1.0	0.18	ug/L	1		8260C	Total/NA

Client Sample ID: BCP-MW-7-060316 — Lab Sample ID: 480-101101-2

No Detections.

Client Sample ID: BCP-MW-6-060316 — Lab Sample ID: 480-101101-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		4.0	1.6	ug/L	4		8260C	Total/NA
Cyclohexane	91		4.0	0.72	ug/L	4		8260C	Total/NA
Ethylbenzene	50		4.0	3.0	ug/L	4		8260C	Total/NA
Methylcyclohexane	24		4.0	0.64	ug/L	4		8260C	Total/NA
Toluene	110		4.0	2.0	ug/L	4		8260C	Total/NA
Xylenes, Total	210		8.0	2.6	ug/L	4		8260C	Total/NA

Client Sample ID: BCP-MW-4-060316 — Lab Sample ID: 480-101101-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	340		50	9.0	ug/L	50		8260C	Total/NA
Ethylbenzene	1400		50	37	ug/L	50		8260C	Total/NA
Methylcyclohexane	140		50	8.0	ug/L	50		8260C	Total/NA
Methylene Chloride	42	J	50	22	ug/L	50		8260C	Total/NA
Toluene	97		50	26	ug/L	50		8260C	Total/NA
Xylenes, Total	1800		100	33	ug/L	50		8260C	Total/NA

Client Sample ID: BCP-MW-3-060316 — Lab Sample ID: 480-101101-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3100		50	21	ug/L	50		8260C	Total/NA
Cyclohexane	170		50	9.0	ug/L	50		8260C	Total/NA
Ethylbenzene	610		50	37	ug/L	50		8260C	Total/NA
Methylcyclohexane	170		50	8.0	ug/L	50		8260C	Total/NA
Methylene Chloride	35	J	50	22	ug/L	50		8260C	Total/NA
Toluene	67		50	26	ug/L	50		8260C	Total/NA
Xylenes, Total	2100		100	33	ug/L	50		8260C	Total/NA

Client Sample ID: BCP-MW-5-060316 — Lab Sample ID: 480-101101-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1600		100	41	ug/L	100		8260C	Total/NA
Cyclohexane	430		100	18	ug/L	100		8260C	Total/NA
Ethylbenzene	2200		100	74	ug/L	100		8260C	Total/NA
Methylcyclohexane	140		100	16	ug/L	100		8260C	Total/NA
Methylene Chloride	96	J	100	44	ug/L	100		8260C	Total/NA
Toluene	77	J	100	51	ug/L	100		8260C	Total/NA
Xylenes, Total	2800		200	66	ug/L	100		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Client Sample ID: BCP-MW-1-060316
Date Collected: 06/03/16 08:00
Date Received: 06/03/16 15:08

Lab Sample ID: 480-101101-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/06/16 16:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/06/16 16:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/06/16 16:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/06/16 16:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/06/16 16:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/06/16 16:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/06/16 16:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/06/16 16:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/06/16 16:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/06/16 16:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/06/16 16:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/06/16 16:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/06/16 16:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/06/16 16:30	1
2-Hexanone	ND		5.0	1.2	ug/L			06/06/16 16:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/06/16 16:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/06/16 16:30	1
Acetone	ND		10	3.0	ug/L			06/06/16 16:30	1
Benzene	**0.72**	**J**	1.0	0.41	ug/L			06/06/16 16:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/06/16 16:30	1
Bromoform	ND		1.0	0.26	ug/L			06/06/16 16:30	1
Bromomethane	ND		1.0	0.69	ug/L			06/06/16 16:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/06/16 16:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/06/16 16:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/06/16 16:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/06/16 16:30	1
Chloroethane	ND		1.0	0.32	ug/L			06/06/16 16:30	1
Chloroform	ND		1.0	0.34	ug/L			06/06/16 16:30	1
Chloromethane	ND		1.0	0.35	ug/L			06/06/16 16:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/06/16 16:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/06/16 16:30	1
Cyclohexane	**72**		1.0	0.18	ug/L			06/06/16 16:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/06/16 16:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/06/16 16:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/06/16 16:30	1
Methyl acetate	ND		2.5	1.3	ug/L			06/06/16 16:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/06/16 16:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/06/16 16:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/06/16 16:30	1
Styrene	ND		1.0	0.73	ug/L			06/06/16 16:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/06/16 16:30	1
Toluene	ND		1.0	0.51	ug/L			06/06/16 16:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/06/16 16:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/06/16 16:30	1
Trichloroethene	ND		1.0	0.46	ug/L			06/06/16 16:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/06/16 16:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/06/16 16:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/06/16 16:30	1

Client Sample ID: BCP-MW-1-060316

Lab Sample ID: 480-101101-1

Date Collected: 06/03/16 08:00

Matrix: Water

Date Received: 06/03/16 15:08

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*06/06/16 16:30*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*06/06/16 16:30*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*06/06/16 16:30*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*06/06/16 16:30*	*1*

Client Sample ID: BCP-MW-7-060316

Lab Sample ID: 480-101101-2

Date Collected: 06/03/16 09:00

Matrix: Water

Date Received: 06/03/16 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/06/16 16:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/06/16 16:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/06/16 16:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/06/16 16:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/06/16 16:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/06/16 16:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/06/16 16:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/06/16 16:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/06/16 16:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/06/16 16:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/06/16 16:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/06/16 16:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/06/16 16:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/06/16 16:57	1
2-Hexanone	ND		5.0	1.2	ug/L			06/06/16 16:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/06/16 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/06/16 16:57	1
Acetone	ND		10	3.0	ug/L			06/06/16 16:57	1
Benzene	ND		1.0	0.41	ug/L			06/06/16 16:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/06/16 16:57	1
Bromoform	ND		1.0	0.26	ug/L			06/06/16 16:57	1
Bromomethane	ND		1.0	0.69	ug/L			06/06/16 16:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/06/16 16:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/06/16 16:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/06/16 16:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/06/16 16:57	1
Chloroethane	ND		1.0	0.32	ug/L			06/06/16 16:57	1
Chloroform	ND		1.0	0.34	ug/L			06/06/16 16:57	1
Chloromethane	ND		1.0	0.35	ug/L			06/06/16 16:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/06/16 16:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/06/16 16:57	1
Cyclohexane	ND		1.0	0.18	ug/L			06/06/16 16:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/06/16 16:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/06/16 16:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/06/16 16:57	1
Methyl acetate	ND		2.5	1.3	ug/L			06/06/16 16:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/06/16 16:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/06/16 16:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/06/16 16:57	1

Client Sample ID: BCP-MW-7-060316

Lab Sample ID: 480-101101-2

Date Collected: 06/03/16 09:00

Matrix: Water

Date Received: 06/03/16 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/06/16 16:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/06/16 16:57	1
Toluene	ND		1.0	0.51	ug/L			06/06/16 16:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/06/16 16:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/06/16 16:57	1
Trichloroethene	ND		1.0	0.46	ug/L			06/06/16 16:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/06/16 16:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/06/16 16:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/06/16 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*06/06/16 16:57*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*06/06/16 16:57*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*06/06/16 16:57*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*06/06/16 16:57*	*1*

Client Sample ID: BCP-MW-6-060316

Lab Sample ID: 480-101101-3

Date Collected: 06/03/16 09:30

Matrix: Water

Date Received: 06/03/16 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			06/09/16 01:21	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			06/09/16 01:21	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			06/09/16 01:21	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			06/09/16 01:21	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			06/09/16 01:21	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			06/09/16 01:21	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			06/09/16 01:21	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			06/09/16 01:21	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			06/09/16 01:21	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			06/09/16 01:21	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			06/09/16 01:21	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			06/09/16 01:21	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			06/09/16 01:21	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			06/09/16 01:21	4
2-Hexanone	ND		20	5.0	ug/L			06/09/16 01:21	4
2-Butanone (MEK)	ND		40	5.3	ug/L			06/09/16 01:21	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			06/09/16 01:21	4
Acetone	ND		40	12	ug/L			06/09/16 01:21	4
Benzene	**120**		4.0	1.6	ug/L			06/09/16 01:21	4
Bromodichloromethane	ND		4.0	1.6	ug/L			06/09/16 01:21	4
Bromoform	ND		4.0	1.0	ug/L			06/09/16 01:21	4
Bromomethane	ND		4.0	2.8	ug/L			06/09/16 01:21	4
Carbon disulfide	ND		4.0	0.76	ug/L			06/09/16 01:21	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			06/09/16 01:21	4
Chlorobenzene	ND		4.0	3.0	ug/L			06/09/16 01:21	4
Dibromochloromethane	ND		4.0	1.3	ug/L			06/09/16 01:21	4
Chloroethane	ND		4.0	1.3	ug/L			06/09/16 01:21	4
Chloroform	ND		4.0	1.4	ug/L			06/09/16 01:21	4

Client Sample ID: BCP-MW-6-060316 — **Lab Sample ID: 480-101101-3**
Date Collected: 06/03/16 09:30 — **Matrix: Water**
Date Received: 06/03/16 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		4.0	1.4	ug/L			06/09/16 01:21	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			06/09/16 01:21	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			06/09/16 01:21	4
Cyclohexane	**91**		4.0	0.72	ug/L			06/09/16 01:21	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			06/09/16 01:21	4
Ethylbenzene	**50**		4.0	3.0	ug/L			06/09/16 01:21	4
Isopropylbenzene	ND		4.0	3.2	ug/L			06/09/16 01:21	4
Methyl acetate	ND		10	5.2	ug/L			06/09/16 01:21	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			06/09/16 01:21	4
Methylcyclohexane	**24**		4.0	0.64	ug/L			06/09/16 01:21	4
Methylene Chloride	ND		4.0	1.8	ug/L			06/09/16 01:21	4
Styrene	ND		4.0	2.9	ug/L			06/09/16 01:21	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/09/16 01:21	4
Toluene	**110**		4.0	2.0	ug/L			06/09/16 01:21	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			06/09/16 01:21	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			06/09/16 01:21	4
Trichloroethene	ND		4.0	1.8	ug/L			06/09/16 01:21	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			06/09/16 01:21	4
Vinyl chloride	ND		4.0	3.6	ug/L			06/09/16 01:21	4
Xylenes, Total	**210**		8.0	2.6	ug/L			06/09/16 01:21	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*06/09/16 01:21*	*4*
Toluene-d8 (Surr)	*99*		*71 - 126*		*06/09/16 01:21*	*4*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*06/09/16 01:21*	*4*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*06/09/16 01:21*	*4*

Client Sample ID: BCP-MW-4-060316 — **Lab Sample ID: 480-101101-4**
Date Collected: 06/03/16 10:00 — **Matrix: Water**
Date Received: 06/03/16 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			06/06/16 17:51	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			06/06/16 17:51	50
1,1,2-Trichloroethane	ND		50	12	ug/L			06/06/16 17:51	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			06/06/16 17:51	50
1,1-Dichloroethane	ND		50	19	ug/L			06/06/16 17:51	50
1,1-Dichloroethene	ND		50	15	ug/L			06/06/16 17:51	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			06/06/16 17:51	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			06/06/16 17:51	50
1,2-Dibromoethane	ND		50	37	ug/L			06/06/16 17:51	50
1,2-Dichlorobenzene	ND		50	40	ug/L			06/06/16 17:51	50
1,2-Dichloroethane	ND		50	11	ug/L			06/06/16 17:51	50
1,2-Dichloropropane	ND		50	36	ug/L			06/06/16 17:51	50
1,3-Dichlorobenzene	ND		50	39	ug/L			06/06/16 17:51	50
1,4-Dichlorobenzene	ND		50	42	ug/L			06/06/16 17:51	50
2-Hexanone	ND		250	62	ug/L			06/06/16 17:51	50
2-Butanone (MEK)	ND		500	66	ug/L			06/06/16 17:51	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			06/06/16 17:51	50

Client Sample ID: BCP-MW-4-060316

Lab Sample ID: 480-101101-4

Date Collected: 06/03/16 10:00

Matrix: Water

Date Received: 06/03/16 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	150	ug/L			06/06/16 17:51	50
Benzene	ND		50	21	ug/L			06/06/16 17:51	50
Bromodichloromethane	ND		50	20	ug/L			06/06/16 17:51	50
Bromoform	ND		50	13	ug/L			06/06/16 17:51	50
Bromomethane	ND		50	35	ug/L			06/06/16 17:51	50
Carbon disulfide	ND		50	9.5	ug/L			06/06/16 17:51	50
Carbon tetrachloride	ND		50	14	ug/L			06/06/16 17:51	50
Chlorobenzene	ND		50	38	ug/L			06/06/16 17:51	50
Dibromochloromethane	ND		50	16	ug/L			06/06/16 17:51	50
Chloroethane	ND		50	16	ug/L			06/06/16 17:51	50
Chloroform	ND		50	17	ug/L			06/06/16 17:51	50
Chloromethane	ND		50	18	ug/L			06/06/16 17:51	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			06/06/16 17:51	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			06/06/16 17:51	50
Cyclohexane	**340**		50	9.0	ug/L			06/06/16 17:51	50
Dichlorodifluoromethane	ND		50	34	ug/L			06/06/16 17:51	50
Ethylbenzene	**1400**		50	37	ug/L			06/06/16 17:51	50
Isopropylbenzene	ND		50	40	ug/L			06/06/16 17:51	50
Methyl acetate	ND		130	65	ug/L			06/06/16 17:51	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			06/06/16 17:51	50
Methylcyclohexane	**140**		50	8.0	ug/L			06/06/16 17:51	50
Methylene Chloride	**42**	**J**	50	22	ug/L			06/06/16 17:51	50
Styrene	ND		50	37	ug/L			06/06/16 17:51	50
Tetrachloroethene	ND		50	18	ug/L			06/06/16 17:51	50
Toluene	**97**		50	26	ug/L			06/06/16 17:51	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			06/06/16 17:51	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			06/06/16 17:51	50
Trichloroethene	ND		50	23	ug/L			06/06/16 17:51	50
Trichlorofluoromethane	ND		50	44	ug/L			06/06/16 17:51	50
Vinyl chloride	ND		50	45	ug/L			06/06/16 17:51	50
Xylenes, Total	**1800**		100	33	ug/L			06/06/16 17:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*06/06/16 17:51*	*50*
Toluene-d8 (Surr)	*99*		*71 - 126*		*06/06/16 17:51*	*50*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*06/06/16 17:51*	*50*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*06/06/16 17:51*	*50*

Client Sample ID: BCP-MW-3-060316

Lab Sample ID: 480-101101-5

Date Collected: 06/03/16 11:00

Matrix: Water

Date Received: 06/03/16 15:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			06/06/16 18:18	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			06/06/16 18:18	50
1,1,2-Trichloroethane	ND		50	12	ug/L			06/06/16 18:18	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			06/06/16 18:18	50
1,1-Dichloroethane	ND		50	19	ug/L			06/06/16 18:18	50
1,1-Dichloroethene	ND		50	15	ug/L			06/06/16 18:18	50

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Client Sample ID: BCP-MW-3-060316
Date Collected: 06/03/16 11:00
Date Received: 06/03/16 15:08

Lab Sample ID: 480-101101-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	21	ug/L			06/06/16 18:18	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			06/06/16 18:18	50
1,2-Dibromoethane	ND		50	37	ug/L			06/06/16 18:18	50
1,2-Dichlorobenzene	ND		50	40	ug/L			06/06/16 18:18	50
1,2-Dichloroethane	ND		50	11	ug/L			06/06/16 18:18	50
1,2-Dichloropropane	ND		50	36	ug/L			06/06/16 18:18	50
1,3-Dichlorobenzene	ND		50	39	ug/L			06/06/16 18:18	50
1,4-Dichlorobenzene	ND		50	42	ug/L			06/06/16 18:18	50
2-Hexanone	ND		250	62	ug/L			06/06/16 18:18	50
2-Butanone (MEK)	ND		500	66	ug/L			06/06/16 18:18	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			06/06/16 18:18	50
Acetone	ND		500	150	ug/L			06/06/16 18:18	50
Benzene	**3100**		50	21	ug/L			06/06/16 18:18	50
Bromodichloromethane	ND		50	20	ug/L			06/06/16 18:18	50
Bromoform	ND		50	13	ug/L			06/06/16 18:18	50
Bromomethane	ND		50	35	ug/L			06/06/16 18:18	50
Carbon disulfide	ND		50	9.5	ug/L			06/06/16 18:18	50
Carbon tetrachloride	ND		50	14	ug/L			06/06/16 18:18	50
Chlorobenzene	ND		50	38	ug/L			06/06/16 18:18	50
Dibromochloromethane	ND		50	16	ug/L			06/06/16 18:18	50
Chloroethane	ND		50	16	ug/L			06/06/16 18:18	50
Chloroform	ND		50	17	ug/L			06/06/16 18:18	50
Chloromethane	ND		50	18	ug/L			06/06/16 18:18	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			06/06/16 18:18	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			06/06/16 18:18	50
Cyclohexane	**170**		50	9.0	ug/L			06/06/16 18:18	50
Dichlorodifluoromethane	ND		50	34	ug/L			06/06/16 18:18	50
Ethylbenzene	**610**		50	37	ug/L			06/06/16 18:18	50
Isopropylbenzene	ND		50	40	ug/L			06/06/16 18:18	50
Methyl acetate	ND		130	65	ug/L			06/06/16 18:18	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			06/06/16 18:18	50
Methylcyclohexane	**170**		50	8.0	ug/L			06/06/16 18:18	50
Methylene Chloride	**35**	**J**	50	22	ug/L			06/06/16 18:18	50
Styrene	ND		50	37	ug/L			06/06/16 18:18	50
Tetrachloroethene	ND		50	18	ug/L			06/06/16 18:18	50
Toluene	**67**		50	26	ug/L			06/06/16 18:18	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			06/06/16 18:18	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			06/06/16 18:18	50
Trichloroethene	ND		50	23	ug/L			06/06/16 18:18	50
Trichlorofluoromethane	ND		50	44	ug/L			06/06/16 18:18	50
Vinyl chloride	ND		50	45	ug/L			06/06/16 18:18	50
Xylenes, Total	**2100**		100	33	ug/L			06/06/16 18:18	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*06/06/16 18:18*	*50*
Toluene-d8 (Surr)	*96*		*71 - 126*		*06/06/16 18:18*	*50*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*06/06/16 18:18*	*50*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*06/06/16 18:18*	*50*

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Client Sample ID: BCP-MW-5-060316
Date Collected: 06/03/16 12:00
Date Received: 06/03/16 15:08

Lab Sample ID: 480-101101-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			06/06/16 18:45	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			06/06/16 18:45	100
1,1,2-Trichloroethane	ND		100	23	ug/L			06/06/16 18:45	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			06/06/16 18:45	100
1,1-Dichloroethane	ND		100	38	ug/L			06/06/16 18:45	100
1,1-Dichloroethene	ND		100	29	ug/L			06/06/16 18:45	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			06/06/16 18:45	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			06/06/16 18:45	100
1,2-Dibromoethane	ND		100	73	ug/L			06/06/16 18:45	100
1,2-Dichlorobenzene	ND		100	79	ug/L			06/06/16 18:45	100
1,2-Dichloroethane	ND		100	21	ug/L			06/06/16 18:45	100
1,2-Dichloropropane	ND		100	72	ug/L			06/06/16 18:45	100
1,3-Dichlorobenzene	ND		100	78	ug/L			06/06/16 18:45	100
1,4-Dichlorobenzene	ND		100	84	ug/L			06/06/16 18:45	100
2-Hexanone	ND		500	120	ug/L			06/06/16 18:45	100
2-Butanone (MEK)	ND		1000	130	ug/L			06/06/16 18:45	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			06/06/16 18:45	100
Acetone	ND		1000	300	ug/L			06/06/16 18:45	100
Benzene	**1600**		100	41	ug/L			06/06/16 18:45	100
Bromodichloromethane	ND		100	39	ug/L			06/06/16 18:45	100
Bromoform	ND		100	26	ug/L			06/06/16 18:45	100
Bromomethane	ND		100	69	ug/L			06/06/16 18:45	100
Carbon disulfide	ND		100	19	ug/L			06/06/16 18:45	100
Carbon tetrachloride	ND		100	27	ug/L			06/06/16 18:45	100
Chlorobenzene	ND		100	75	ug/L			06/06/16 18:45	100
Dibromochloromethane	ND		100	32	ug/L			06/06/16 18:45	100
Chloroethane	ND		100	32	ug/L			06/06/16 18:45	100
Chloroform	ND		100	34	ug/L			06/06/16 18:45	100
Chloromethane	ND		100	35	ug/L			06/06/16 18:45	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			06/06/16 18:45	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			06/06/16 18:45	100
Cyclohexane	**430**		100	18	ug/L			06/06/16 18:45	100
Dichlorodifluoromethane	ND		100	68	ug/L			06/06/16 18:45	100
Ethylbenzene	**2200**		100	74	ug/L			06/06/16 18:45	100
Isopropylbenzene	ND		100	79	ug/L			06/06/16 18:45	100
Methyl acetate	ND		250	130	ug/L			06/06/16 18:45	100
Methyl tert-butyl ether	ND		100	16	ug/L			06/06/16 18:45	100
Methylcyclohexane	**140**		100	16	ug/L			06/06/16 18:45	100
Methylene Chloride	**96**	**J**	100	44	ug/L			06/06/16 18:45	100
Styrene	ND		100	73	ug/L			06/06/16 18:45	100
Tetrachloroethene	ND		100	36	ug/L			06/06/16 18:45	100
Toluene	**77**	**J**	100	51	ug/L			06/06/16 18:45	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			06/06/16 18:45	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			06/06/16 18:45	100
Trichloroethene	ND		100	46	ug/L			06/06/16 18:45	100
Trichlorofluoromethane	ND		100	88	ug/L			06/06/16 18:45	100
Vinyl chloride	ND		100	90	ug/L			06/06/16 18:45	100
Xylenes, Total	**2800**		200	66	ug/L			06/06/16 18:45	100

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Client Sample ID: BCP-MW-5-060316
Date Collected: 06/03/16 12:00
Date Received: 06/03/16 15:08

Lab Sample ID: 480-101101-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		06/06/16 18:45	100
Toluene-d8 (Surr)	98		71 - 126		06/06/16 18:45	100
4-Bromofluorobenzene (Surr)	109		73 - 120		06/06/16 18:45	100
Dibromofluoromethane (Surr)	99		60 - 140		06/06/16 18:45	100

Surrogate Summary

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-101101-1	BCP-MW-1-060316	99	98	110	97
480-101101-2	BCP-MW-7-060316	98	97	110	102
480-101101-3	BCP-MW-6-060316	100	99	108	102
480-101101-4	BCP-MW-4-060316	97	99	114	96
480-101101-5	BCP-MW-3-060316	100	96	107	102
480-101101-6	BCP-MW-5-060316	96	98	109	99
480-101101-6 MS	BCP-MW-5-060316	95	96	110	99
480-101101-6 MSD	BCP-MW-5-060316	98	98	110	100
LCS 480-305188/5	Lab Control Sample	98	97	109	98
LCS 480-305753/5	Lab Control Sample	95	98	111	93
MB 480-305188/7	Method Blank	99	97	113	100
MB 480-305753/7	Method Blank	97	99	106	96

Surrogate Legend

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

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

Lab Sample ID: MB 480-305188/7
Matrix: Water
Analysis Batch: 305188

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/06/16 11:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/06/16 11:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/06/16 11:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/06/16 11:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/06/16 11:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/06/16 11:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/06/16 11:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/06/16 11:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/06/16 11:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/06/16 11:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/06/16 11:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/06/16 11:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/06/16 11:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/06/16 11:46	1
2-Hexanone	ND		5.0	1.2	ug/L			06/06/16 11:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/06/16 11:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/06/16 11:46	1
Acetone	ND		10	3.0	ug/L			06/06/16 11:46	1
Benzene	ND		1.0	0.41	ug/L			06/06/16 11:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/06/16 11:46	1
Bromoform	ND		1.0	0.26	ug/L			06/06/16 11:46	1
Bromomethane	ND		1.0	0.69	ug/L			06/06/16 11:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/06/16 11:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/06/16 11:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/06/16 11:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/06/16 11:46	1
Chloroethane	ND		1.0	0.32	ug/L			06/06/16 11:46	1
Chloroform	ND		1.0	0.34	ug/L			06/06/16 11:46	1
Chloromethane	ND		1.0	0.35	ug/L			06/06/16 11:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/06/16 11:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/06/16 11:46	1
Cyclohexane	ND		1.0	0.18	ug/L			06/06/16 11:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/06/16 11:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/06/16 11:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/06/16 11:46	1
Methyl acetate	ND		2.5	1.3	ug/L			06/06/16 11:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/06/16 11:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/06/16 11:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/06/16 11:46	1
Styrene	ND		1.0	0.73	ug/L			06/06/16 11:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/06/16 11:46	1
Toluene	ND		1.0	0.51	ug/L			06/06/16 11:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/06/16 11:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/06/16 11:46	1
Trichloroethene	ND		1.0	0.46	ug/L			06/06/16 11:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/06/16 11:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/06/16 11:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/06/16 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*06/06/16 11:46*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*06/06/16 11:46*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*06/06/16 11:46*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*06/06/16 11:46*	*1*

Lab Sample ID: LCS 480-305188/5
Matrix: Water
Analysis Batch: 305188

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.4		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.0		ug/L		88	70 - 126
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.0		ug/L		112	52 - 148
1,1-Dichloroethane	25.0	24.9		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	25.8		ug/L		103	58 - 121
1,2,4-Trichlorobenzene	25.0	21.4		ug/L		86	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.3		ug/L		81	56 - 134
1,2-Dibromoethane	25.0	24.4		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	21.5		ug/L		86	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 127
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3-Dichlorobenzene	25.0	21.2		ug/L		85	77 - 120
1,4-Dichlorobenzene	25.0	21.6		ug/L		86	75 - 120
2-Hexanone	125	124		ug/L		99	65 - 127
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		96	71 - 125
Acetone	125	101		ug/L		81	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromodichloromethane	25.0	24.9		ug/L		100	80 - 122
Bromoform	25.0	27.2		ug/L		109	52 - 132
Bromomethane	25.0	23.7		ug/L		95	55 - 144
Carbon disulfide	25.0	24.9		ug/L		100	59 - 134
Carbon tetrachloride	25.0	27.9		ug/L		111	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	72 - 120
Dibromochloromethane	25.0	24.6		ug/L		98	75 - 125
Chloroethane	25.0	25.7		ug/L		103	69 - 136
Chloroform	25.0	23.2		ug/L		93	73 - 127
Chloromethane	25.0	21.1		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	22.8		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	24.5		ug/L		98	74 - 124
Cyclohexane	25.0	28.4		ug/L		113	59 - 135
Dichlorodifluoromethane	25.0	21.2		ug/L		85	59 - 135
Ethylbenzene	25.0	22.7		ug/L		91	77 - 123
Isopropylbenzene	25.0	22.4		ug/L		90	77 - 122
Methyl acetate	125	128		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	24.7		ug/L		99	64 - 127
Methylcyclohexane	25.0	27.2		ug/L		109	61 - 138
Methylene Chloride	25.0	25.4		ug/L		102	57 - 132
Styrene	25.0	23.8		ug/L		95	70 - 130
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122
Toluene	25.0	23.4		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	25.6		ug/L		103	73 - 127

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

Lab Sample ID: LCS 480-305188/5
Matrix: Water
Analysis Batch: 305188

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	23.6		ug/L		94	72 - 123
Trichloroethene	25.0	25.7		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	28.7		ug/L		115	62 - 152
Vinyl chloride	25.0	24.8		ug/L		99	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
Toluene-d8 (Surr)	*97*		*71 - 126*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Lab Sample ID: 480-101101-6 MS
Matrix: Water
Analysis Batch: 305188

Client Sample ID: BCP-MW-5-060316
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2500	2940		ug/L		118	73 - 126
1,1,2,2-Tetrachloroethane	ND		2500	2230		ug/L		89	70 - 126
1,1,2-Trichloroethane	ND		2500	2580		ug/L		103	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500	3080		ug/L		123	52 - 148
1,1-Dichloroethane	ND		2500	2560		ug/L		102	71 - 129
1,1-Dichloroethene	ND		2500	2670		ug/L		107	58 - 121
1,2,4-Trichlorobenzene	ND		2500	2230		ug/L		89	70 - 122
1,2-Dibromo-3-Chloropropane	ND		2500	2040		ug/L		82	56 - 134
1,2-Dibromoethane	ND		2500	2410		ug/L		96	77 - 120
1,2-Dichlorobenzene	ND		2500	2220		ug/L		89	80 - 124
1,2-Dichloroethane	ND		2500	2400		ug/L		96	75 - 127
1,2-Dichloropropane	ND		2500	2740		ug/L		109	76 - 120
1,3-Dichlorobenzene	ND		2500	2240		ug/L		90	77 - 120
1,4-Dichlorobenzene	ND		2500	2230		ug/L		89	75 - 120
2-Hexanone	ND		12500	12600		ug/L		101	65 - 127
2-Butanone (MEK)	ND		12500	12700		ug/L		102	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		12500	12200		ug/L		98	71 - 125
Acetone	ND		12500	11400		ug/L		91	56 - 142
Benzene	1600		2500	4370		ug/L		112	71 - 124
Bromodichloromethane	ND		2500	2630		ug/L		105	80 - 122
Bromoform	ND		2500	2600		ug/L		104	52 - 132
Bromomethane	ND		2500	2530		ug/L		101	55 - 144
Carbon disulfide	ND		2500	2660		ug/L		106	59 - 134
Carbon tetrachloride	ND		2500	3050		ug/L		122	72 - 134
Chlorobenzene	ND		2500	2450		ug/L		98	72 - 120
Dibromochloromethane	ND		2500	2500		ug/L		100	75 - 125
Chloroethane	ND		2500	2770		ug/L		111	69 - 136
Chloroform	ND		2500	2490		ug/L		100	73 - 127
Chloromethane	ND		2500	2320		ug/L		93	68 - 124
cis-1,2-Dichloroethene	ND		2500	2510		ug/L		100	74 - 124
cis-1,3-Dichloropropene	ND		2500	2510		ug/L		100	74 - 124

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

Lab Sample ID: 480-101101-6 MS
Matrix: Water
Analysis Batch: 305188

Client Sample ID: BCP-MW-5-060316
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	430		2500	3520		ug/L		123	59 - 135
Dichlorodifluoromethane	ND		2500	2220		ug/L		89	59 - 135
Ethylbenzene	2200		2500	4700		ug/L		100	77 - 123
Isopropylbenzene	ND		2500	2410		ug/L		96	77 - 122
Methyl acetate	ND		12500	13200		ug/L		105	74 - 133
Methyl tert-butyl ether	ND		2500	2480		ug/L		99	64 - 127
Methylcyclohexane	140		2500	2950		ug/L		112	61 - 138
Methylene Chloride	96	J	2500	2700		ug/L		104	57 - 132
Styrene	ND		2500	2440		ug/L		98	70 - 130
Tetrachloroethene	ND		2500	2620		ug/L		105	74 - 122
Toluene	77	J	2500	2560		ug/L		99	80 - 122
trans-1,2-Dichloroethene	ND		2500	2740		ug/L		110	73 - 127
trans-1,3-Dichloropropene	ND		2500	2350		ug/L		94	72 - 123
Trichloroethene	ND		2500	2740		ug/L		110	74 - 123
Trichlorofluoromethane	ND		2500	2910		ug/L		116	62 - 152
Vinyl chloride	ND		2500	2610		ug/L		105	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*60 - 140*

Lab Sample ID: 480-101101-6 MSD
Matrix: Water
Analysis Batch: 305188

Client Sample ID: BCP-MW-5-060316
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2500	2800		ug/L		112	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		2500	2230		ug/L		89	70 - 126	0	15
1,1,2-Trichloroethane	ND		2500	2540		ug/L		102	76 - 122	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500	2710		ug/L		109	52 - 148	13	20
1,1-Dichloroethane	ND		2500	2550		ug/L		102	71 - 129	1	20
1,1-Dichloroethene	ND		2500	2560		ug/L		102	58 - 121	4	16
1,2,4-Trichlorobenzene	ND		2500	2340		ug/L		94	70 - 122	5	20
1,2-Dibromo-3-Chloropropane	ND		2500	2150		ug/L		86	56 - 134	5	15
1,2-Dibromoethane	ND		2500	2500		ug/L		100	77 - 120	3	15
1,2-Dichlorobenzene	ND		2500	2260		ug/L		90	80 - 124	2	20
1,2-Dichloroethane	ND		2500	2390		ug/L		96	75 - 127	1	20
1,2-Dichloropropane	ND		2500	2620		ug/L		105	76 - 120	5	20
1,3-Dichlorobenzene	ND		2500	2190		ug/L		88	77 - 120	2	20
1,4-Dichlorobenzene	ND		2500	2260		ug/L		90	75 - 120	1	20
2-Hexanone	ND		12500	13000		ug/L		104	65 - 127	3	15
2-Butanone (MEK)	ND		12500	12800		ug/L		102	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		12500	12400		ug/L		99	71 - 125	1	35
Acetone	ND		12500	11900		ug/L		95	56 - 142	4	15
Benzene	1600		2500	4320		ug/L		110	71 - 124	1	13

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

Lab Sample ID: 480-101101-6 MSD
Matrix: Water
Analysis Batch: 305188

Client Sample ID: BCP-MW-5-060316
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	ND		2500	2540		ug/L		102	80 - 122	3	15
Bromoform	ND		2500	2640		ug/L		106	52 - 132	1	15
Bromomethane	ND		2500	2440		ug/L		97	55 - 144	4	15
Carbon disulfide	ND		2500	2520		ug/L		101	59 - 134	5	15
Carbon tetrachloride	ND		2500	2860		ug/L		114	72 - 134	7	15
Chlorobenzene	ND		2500	2440		ug/L		98	72 - 120	1	25
Dibromochloromethane	ND		2500	2580		ug/L		103	75 - 125	3	15
Chloroethane	ND		2500	2700		ug/L		108	69 - 136	2	15
Chloroform	ND		2500	2480		ug/L		99	73 - 127	0	20
Chloromethane	ND		2500	2200		ug/L		88	68 - 124	5	15
cis-1,2-Dichloroethene	ND		2500	2400		ug/L		96	74 - 124	4	15
cis-1,3-Dichloropropene	ND		2500	2550		ug/L		102	74 - 124	2	15
Cyclohexane	430		2500	3270		ug/L		114	59 - 135	7	20
Dichlorodifluoromethane	ND		2500	2260		ug/L		90	59 - 135	2	20
Ethylbenzene	2200		2500	4670		ug/L		99	77 - 123	1	15
Isopropylbenzene	ND		2500	2420		ug/L		97	77 - 122	1	20
Methyl acetate	ND		12500	13500		ug/L		108	74 - 133	2	20
Methyl tert-butyl ether	ND		2500	2480		ug/L		99	64 - 127	0	37
Methylcyclohexane	140		2500	2830		ug/L		107	61 - 138	4	20
Methylene Chloride	96	J	2500	2600		ug/L		100	57 - 132	4	15
Styrene	ND		2500	2510		ug/L		100	70 - 130	3	20
Tetrachloroethene	ND		2500	2500		ug/L		100	74 - 122	4	20
Toluene	77	J	2500	2540		ug/L		98	80 - 122	1	15
trans-1,2-Dichloroethene	ND		2500	2630		ug/L		105	73 - 127	4	20
trans-1,3-Dichloropropene	ND		2500	2370		ug/L		95	72 - 123	1	15
Trichloroethene	ND		2500	2660		ug/L		106	74 - 123	3	16
Trichlorofluoromethane	ND		2500	2810		ug/L		112	62 - 152	4	20
Vinyl chloride	ND		2500	2570		ug/L		103	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
Toluene-d8 (Surr)	*98*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: MB 480-305753/7
Matrix: Water
Analysis Batch: 305753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/08/16 21:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/08/16 21:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/08/16 21:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/08/16 21:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/08/16 21:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/08/16 21:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/08/16 21:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/08/16 21:19	1

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

Lab Sample ID: MB 480-305753/7
Matrix: Water
Analysis Batch: 305753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/08/16 21:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/08/16 21:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/08/16 21:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/08/16 21:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/08/16 21:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/08/16 21:19	1
2-Hexanone	ND		5.0	1.2	ug/L			06/08/16 21:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/08/16 21:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/08/16 21:19	1
Acetone	ND		10	3.0	ug/L			06/08/16 21:19	1
Benzene	ND		1.0	0.41	ug/L			06/08/16 21:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/08/16 21:19	1
Bromoform	ND		1.0	0.26	ug/L			06/08/16 21:19	1
Bromomethane	ND		1.0	0.69	ug/L			06/08/16 21:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/08/16 21:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/08/16 21:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/08/16 21:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/08/16 21:19	1
Chloroethane	ND		1.0	0.32	ug/L			06/08/16 21:19	1
Chloroform	ND		1.0	0.34	ug/L			06/08/16 21:19	1
Chloromethane	ND		1.0	0.35	ug/L			06/08/16 21:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/08/16 21:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/08/16 21:19	1
Cyclohexane	ND		1.0	0.18	ug/L			06/08/16 21:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/08/16 21:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/08/16 21:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/08/16 21:19	1
Methyl acetate	ND		2.5	1.3	ug/L			06/08/16 21:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/08/16 21:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/08/16 21:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/08/16 21:19	1
Styrene	ND		1.0	0.73	ug/L			06/08/16 21:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/08/16 21:19	1
Toluene	ND		1.0	0.51	ug/L			06/08/16 21:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/08/16 21:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/08/16 21:19	1
Trichloroethene	ND		1.0	0.46	ug/L			06/08/16 21:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/08/16 21:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/08/16 21:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/08/16 21:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*06/08/16 21:19*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*06/08/16 21:19*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/08/16 21:19*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*06/08/16 21:19*	*1*

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

Lab Sample ID: LCS 480-305753/5
Matrix: Water
Analysis Batch: 305753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.8		ug/L		91	70 - 126
1,1,2-Trichloroethane	25.0	26.0		ug/L		104	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.3		ug/L		97	52 - 148
1,1-Dichloroethane	25.0	23.3		ug/L		93	71 - 129
1,1-Dichloroethene	25.0	22.2		ug/L		89	58 - 121
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		100	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.7		ug/L		83	56 - 134
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 127
1,2-Dichloropropane	25.0	24.5		ug/L		98	76 - 120
1,3-Dichlorobenzene	25.0	22.7		ug/L		91	77 - 120
1,4-Dichlorobenzene	25.0	22.5		ug/L		90	75 - 120
2-Hexanone	125	141		ug/L		113	65 - 127
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	142		ug/L		114	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromodichloromethane	25.0	22.9		ug/L		92	80 - 122
Bromoform	25.0	27.0		ug/L		108	52 - 132
Bromomethane	25.0	22.2		ug/L		89	55 - 144
Carbon disulfide	25.0	21.7		ug/L		87	59 - 134
Carbon tetrachloride	25.0	24.9		ug/L		100	72 - 134
Chlorobenzene	25.0	24.6		ug/L		98	72 - 120
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chloroethane	25.0	26.8		ug/L		107	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	23.8		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	22.0		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Cyclohexane	25.0	25.6		ug/L		102	59 - 135
Dichlorodifluoromethane	25.0	23.5		ug/L		94	59 - 135
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Isopropylbenzene	25.0	23.4		ug/L		94	77 - 122
Methyl acetate	125	127		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	23.1		ug/L		93	64 - 127
Methylcyclohexane	25.0	22.8		ug/L		91	61 - 138
Methylene Chloride	25.0	23.6		ug/L		94	57 - 132
Styrene	25.0	24.9		ug/L		100	70 - 130
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	24.0		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	72 - 123
Trichloroethene	25.0	24.0		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	26.2		ug/L		105	62 - 152
Vinyl chloride	25.0	25.1		ug/L		100	65 - 133

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

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

Lab Sample ID: LCS 480-305753/5
Matrix: Water
Analysis Batch: 305753

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
Toluene-d8 (Surr)	98		71 - 126
4-Bromofluorobenzene (Surr)	111		73 - 120
Dibromofluoromethane (Surr)	93		60 - 140

QC Association Summary

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

GC/MS VOA

Analysis Batch: 305188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101101-1	BCP-MW-1-060316	Total/NA	Water	8260C	
480-101101-2	BCP-MW-7-060316	Total/NA	Water	8260C	
480-101101-4	BCP-MW-4-060316	Total/NA	Water	8260C	
480-101101-5	BCP-MW-3-060316	Total/NA	Water	8260C	
480-101101-6	BCP-MW-5-060316	Total/NA	Water	8260C	
480-101101-6 MS	BCP-MW-5-060316	Total/NA	Water	8260C	
480-101101-6 MSD	BCP-MW-5-060316	Total/NA	Water	8260C	
LCS 480-305188/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-305188/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 305753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101101-3	BCP-MW-6-060316	Total/NA	Water	8260C	
LCS 480-305753/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-305753/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Client Sample ID: BCP-MW-1-060316
Lab Sample ID: 480-101101-1
Date Collected: 06/03/16 08:00
Matrix: Water
Date Received: 06/03/16 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	305188	06/06/16 16:30	GVF	TAL BUF

Client Sample ID: BCP-MW-7-060316
Lab Sample ID: 480-101101-2
Date Collected: 06/03/16 09:00
Matrix: Water
Date Received: 06/03/16 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	305188	06/06/16 16:57	GVF	TAL BUF

Client Sample ID: BCP-MW-6-060316
Lab Sample ID: 480-101101-3
Date Collected: 06/03/16 09:30
Matrix: Water
Date Received: 06/03/16 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	305753	06/09/16 01:21	SWO	TAL BUF

Client Sample ID: BCP-MW-4-060316
Lab Sample ID: 480-101101-4
Date Collected: 06/03/16 10:00
Matrix: Water
Date Received: 06/03/16 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	305188	06/06/16 17:51	GVF	TAL BUF

Client Sample ID: BCP-MW-3-060316
Lab Sample ID: 480-101101-5
Date Collected: 06/03/16 11:00
Matrix: Water
Date Received: 06/03/16 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	305188	06/06/16 18:18	GVF	TAL BUF

Client Sample ID: BCP-MW-5-060316
Lab Sample ID: 480-101101-6
Date Collected: 06/03/16 12:00
Matrix: Water
Date Received: 06/03/16 15:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	305188	06/06/16 18:45	GVF	TAL BUF

Laboratory References:

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

Certification Summary

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: C&S Engineers, Inc.
Project/Site: Well Sampling - MOB

TestAmerica Job ID: 480-101101-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-101101-1	BCP-MW-1-060316	Water	06/03/16 08:00	06/03/16 15:08
480-101101-2	BCP-MW-7-060316	Water	06/03/16 09:00	06/03/16 15:08
480-101101-3	BCP-MW-6-060316	Water	06/03/16 09:30	06/03/16 15:08
480-101101-4	BCP-MW-4-060316	Water	06/03/16 10:00	06/03/16 15:08
480-101101-5	BCP-MW-3-060316	Water	06/03/16 11:00	06/03/16 15:08
480-101101-6	BCP-MW-5-060316	Water	06/03/16 12:00	06/03/16 15:08

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAr

THE LEADER IN ENV

480-101101 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
C&S Engineers, Inc.	Cody Martin	6/3/16	289109
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
141 Elm Street	716-955-3021		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Buffalo / NY / 14203			
Project Name and Location (State)	**Carrier/Waybill Number**		
MOB			
Contract/Purchase Order/Quote No.			
N46-001.001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260-VOC
BCP-MW-1-060316	6/3/16	8:00		X						X			X
BCP-MW-7-060316		9:00											
BCP-MW-6-060316		9:30											
BCP-MW-4-060316		10:00											
BCP-MW-3-060316		11:00											
BCP-MW-5-060316		12:00											

Special Instructions/ Conditions of Receipt

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Cody Martin	6/3/16	15:08	1. Received By:	6/3/16	1508
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

#1 4.9°C

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6/10/2016

Login Sample Receipt Checklist

Client: C&S Engineers, Inc.

Job Number: 480-101101-1

Login Number: 101101

List Source: TestAmerica Buffalo

List Number: 1

Creator: Conway, Curtis R

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

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-7-102516
Lab Sample ID: 164747-01 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		11/1/2016 21:59
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		11/1/2016 21:59
1,1,2-Trichloroethane	< 2.00	ug/L		11/1/2016 21:59
1,1-Dichloroethane	< 2.00	ug/L		11/1/2016 21:59
1,1-Dichloroethene	< 2.00	ug/L		11/1/2016 21:59
1,2,3-Trichlorobenzene	< 5.00	ug/L		11/1/2016 21:59
1,2,4-Trichlorobenzene	< 5.00	ug/L		11/1/2016 21:59
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		11/1/2016 21:59
1,2-Dibromoethane	< 2.00	ug/L		11/1/2016 21:59
1,2-Dichlorobenzene	< 2.00	ug/L		11/1/2016 21:59
1,2-Dichloroethane	< 2.00	ug/L		11/1/2016 21:59
1,2-Dichloropropane	< 2.00	ug/L		11/1/2016 21:59
1,3-Dichlorobenzene	< 2.00	ug/L		11/1/2016 21:59
1,4-Dichlorobenzene	< 2.00	ug/L		11/1/2016 21:59
1,4-dioxane	< 20.0	ug/L		11/1/2016 21:59
2-Butanone	< 10.0	ug/L		11/1/2016 21:59
2-Hexanone	< 5.00	ug/L		11/1/2016 21:59
4-Methyl-2-pentanone	< 5.00	ug/L		11/1/2016 21:59
Acetone	< 10.0	ug/L		11/1/2016 21:59
Benzene	< 1.00	ug/L		11/1/2016 21:59
Bromochloromethane	< 5.00	ug/L		11/1/2016 21:59
Bromodichloromethane	< 2.00	ug/L		11/1/2016 21:59
Bromoform	< 5.00	ug/L		11/1/2016 21:59
Bromomethane	< 2.00	ug/L		11/1/2016 21:59
Carbon disulfide	< 2.00	ug/L		11/1/2016 21:59
Carbon Tetrachloride	< 2.00	ug/L		11/1/2016 21:59
Chlorobenzene	< 2.00	ug/L		11/1/2016 21:59

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-7-102516
Lab Sample ID: 164747-01 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Chloroethane	< 2.00	ug/L	11/1/2016	21:59
Chloroform	< 2.00	ug/L	11/1/2016	21:59
Chloromethane	< 2.00	ug/L	11/1/2016	21:59
cis-1,2-Dichloroethene	< 2.00	ug/L	11/1/2016	21:59
cis-1,3-Dichloropropene	< 2.00	ug/L	11/1/2016	21:59
Cyclohexane	< 10.0	ug/L	11/1/2016	21:59
Dibromochloromethane	< 2.00	ug/L	11/1/2016	21:59
Dichlorodifluoromethane	< 2.00	ug/L	11/1/2016	21:59
Ethylbenzene	< 2.00	ug/L	11/1/2016	21:59
Freon 113	< 2.00	ug/L	11/1/2016	21:59
Isopropylbenzene	< 2.00	ug/L	11/1/2016	21:59
m,p-Xylene	< 2.00	ug/L	11/1/2016	21:59
Methyl acetate	< 2.00	ug/L	11/1/2016	21:59
Methyl tert-butyl Ether	< 2.00	ug/L	11/1/2016	21:59
Methylcyclohexane	< 2.00	ug/L	11/1/2016	21:59
Methylene chloride	< 5.00	ug/L	11/1/2016	21:59
o-Xylene	< 2.00	ug/L	11/1/2016	21:59
Styrene	< 5.00	ug/L	11/1/2016	21:59
Tetrachloroethene	< 2.00	ug/L	11/1/2016	21:59
Toluene	< 2.00	ug/L	11/1/2016	21:59
trans-1,2-Dichloroethene	< 2.00	ug/L	11/1/2016	21:59
trans-1,3-Dichloropropene	< 2.00	ug/L	11/1/2016	21:59
Trichloroethene	< 2.00	ug/L	11/1/2016	21:59
Trichlorofluoromethane	< 2.00	ug/L	11/1/2016	21:59
Vinyl chloride	< 2.00	ug/L	11/1/2016	21:59

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-7-102516
Lab Sample ID: 164747-01 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**95.7**	85.8 - 116		11/1/2016 21:59
4-Bromofluorobenzene	**93.7**	80.6 - 114		11/1/2016 21:59
Pentafluorobenzene	**98.5**	89.6 - 112		11/1/2016 21:59
Toluene-D8	**94.9**	89.6 - 109		11/1/2016 21:59

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x36587.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier:	BCP-MW-1-102516		
Lab Sample ID:	164747-02	**Date Sampled:**	10/25/2016
Matrix:	Groundwater	**Date Received:**	10/28/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		11/1/2016 22:23
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		11/1/2016 22:23
1,1,2-Trichloroethane	< 2.00	ug/L		11/1/2016 22:23
1,1-Dichloroethane	< 2.00	ug/L		11/1/2016 22:23
1,1-Dichloroethene	< 2.00	ug/L		11/1/2016 22:23
1,2,3-Trichlorobenzene	< 5.00	ug/L		11/1/2016 22:23
1,2,4-Trichlorobenzene	< 5.00	ug/L		11/1/2016 22:23
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		11/1/2016 22:23
1,2-Dibromoethane	< 2.00	ug/L		11/1/2016 22:23
1,2-Dichlorobenzene	< 2.00	ug/L		11/1/2016 22:23
1,2-Dichloroethane	< 2.00	ug/L		11/1/2016 22:23
1,2-Dichloropropane	< 2.00	ug/L		11/1/2016 22:23
1,3-Dichlorobenzene	< 2.00	ug/L		11/1/2016 22:23
1,4-Dichlorobenzene	< 2.00	ug/L		11/1/2016 22:23
1,4-dioxane	< 20.0	ug/L		11/1/2016 22:23
2-Butanone	< 10.0	ug/L		11/1/2016 22:23
2-Hexanone	< 5.00	ug/L		11/1/2016 22:23
4-Methyl-2-pentanone	< 5.00	ug/L		11/1/2016 22:23
Acetone	< 10.0	ug/L		11/1/2016 22:23
Benzene	< 1.00	ug/L		11/1/2016 22:23
Bromochloromethane	< 5.00	ug/L		11/1/2016 22:23
Bromodichloromethane	< 2.00	ug/L		11/1/2016 22:23
Bromoform	< 5.00	ug/L		11/1/2016 22:23
Bromomethane	< 2.00	ug/L		11/1/2016 22:23
Carbon disulfide	< 2.00	ug/L		11/1/2016 22:23
Carbon Tetrachloride	< 2.00	ug/L		11/1/2016 22:23
Chlorobenzene	< 2.00	ug/L		11/1/2016 22:23

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-1-102516
Lab Sample ID: 164747-02 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Chloroethane	< 2.00	ug/L	11/1/2016	22:23
Chloroform	< 2.00	ug/L	11/1/2016	22:23
Chloromethane	< 2.00	ug/L	11/1/2016	22:23
cis-1,2-Dichloroethene	< 2.00	ug/L	11/1/2016	22:23
cis-1,3-Dichloropropene	< 2.00	ug/L	11/1/2016	22:23
Cyclohexane	< 10.0	ug/L	11/1/2016	22:23
Dibromochloromethane	< 2.00	ug/L	11/1/2016	22:23
Dichlorodifluoromethane	< 2.00	ug/L	11/1/2016	22:23
Ethylbenzene	< 2.00	ug/L	11/1/2016	22:23
Freon 113	< 2.00	ug/L	11/1/2016	22:23
Isopropylbenzene	< 2.00	ug/L	11/1/2016	22:23
m,p-Xylene	< 2.00	ug/L	11/1/2016	22:23
Methyl acetate	< 2.00	ug/L	11/1/2016	22:23
Methyl tert-butyl Ether	< 2.00	ug/L	11/1/2016	22:23
Methylcyclohexane	< 2.00	ug/L	11/1/2016	22:23
Methylene chloride	< 5.00	ug/L	11/1/2016	22:23
o-Xylene	< 2.00	ug/L	11/1/2016	22:23
Styrene	< 5.00	ug/L	11/1/2016	22:23
Tetrachloroethene	< 2.00	ug/L	11/1/2016	22:23
Toluene	< 2.00	ug/L	11/1/2016	22:23
trans-1,2-Dichloroethene	< 2.00	ug/L	11/1/2016	22:23
trans-1,3-Dichloropropene	< 2.00	ug/L	11/1/2016	22:23
Trichloroethene	< 2.00	ug/L	11/1/2016	22:23
Trichlorofluoromethane	< 2.00	ug/L	11/1/2016	22:23
Vinyl chloride	< 2.00	ug/L	11/1/2016	22:23

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-1-102516
Lab Sample ID: 164747-02 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**95.1**	85.8 - 116		11/1/2016 22:23
4-Bromofluorobenzene	**95.6**	80.6 - 114		11/1/2016 22:23
Pentafluorobenzene	**101**	89.6 - 112		11/1/2016 22:23
Toluene-D8	**102**	89.6 - 109		11/1/2016 22:23

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x36588.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier:	BCP-MW-6-102516		
Lab Sample ID:	164747-03	**Date Sampled:**	10/25/2016
Matrix:	Groundwater	**Date Received:**	10/28/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		11/1/2016 22:46
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		11/1/2016 22:46
1,1,2-Trichloroethane	< 20.0	ug/L		11/1/2016 22:46
1,1-Dichloroethane	< 20.0	ug/L		11/1/2016 22:46
1,1-Dichloroethene	< 20.0	ug/L		11/1/2016 22:46
1,2,3-Trichlorobenzene	< 50.0	ug/L		11/1/2016 22:46
1,2,4-Trichlorobenzene	< 50.0	ug/L		11/1/2016 22:46
1,2-Dibromo-3-Chloropropane	< 100	ug/L		11/1/2016 22:46
1,2-Dibromoethane	< 20.0	ug/L		11/1/2016 22:46
1,2-Dichlorobenzene	< 20.0	ug/L		11/1/2016 22:46
1,2-Dichloroethane	< 20.0	ug/L		11/1/2016 22:46
1,2-Dichloropropane	< 20.0	ug/L		11/1/2016 22:46
1,3-Dichlorobenzene	< 20.0	ug/L		11/1/2016 22:46
1,4-Dichlorobenzene	< 20.0	ug/L		11/1/2016 22:46
1,4-dioxane	< 200	ug/L		11/1/2016 22:46
2-Butanone	< 100	ug/L		11/1/2016 22:46
2-Hexanone	< 50.0	ug/L		11/1/2016 22:46
4-Methyl-2-pentanone	< 50.0	ug/L		11/1/2016 22:46
Acetone	< 100	ug/L		11/1/2016 22:46
Benzene	**302**	ug/L		11/1/2016 22:46
Bromochloromethane	< 50.0	ug/L		11/1/2016 22:46
Bromodichloromethane	< 20.0	ug/L		11/1/2016 22:46
Bromoform	< 50.0	ug/L		11/1/2016 22:46
Bromomethane	< 20.0	ug/L		11/1/2016 22:46
Carbon disulfide	< 20.0	ug/L		11/1/2016 22:46
Carbon Tetrachloride	< 20.0	ug/L		11/1/2016 22:46
Chlorobenzene	< 20.0	ug/L		11/1/2016 22:46

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier:	BCP-MW-6-102516		
Lab Sample ID:	164747-03	**Date Sampled:**	10/25/2016
Matrix:	Groundwater	**Date Received:**	10/28/2016

Chloroethane	< 20.0	ug/L		11/1/2016	22:46
Chloroform	< 20.0	ug/L		11/1/2016	22:46
Chloromethane	< 20.0	ug/L		11/1/2016	22:46
cis-1,2-Dichloroethene	< 20.0	ug/L		11/1/2016	22:46
cis-1,3-Dichloropropene	< 20.0	ug/L		11/1/2016	22:46
Cyclohexane	**81.5**	ug/L	J	11/1/2016	22:46
Dibromochloromethane	< 20.0	ug/L		11/1/2016	22:46
Dichlorodifluoromethane	< 20.0	ug/L		11/1/2016	22:46
Ethylbenzene	**163**	ug/L		11/1/2016	22:46
Freon 113	< 20.0	ug/L		11/1/2016	22:46
Isopropylbenzene	< 20.0	ug/L		11/1/2016	22:46
m,p-Xylene	**294**	ug/L		11/1/2016	22:46
Methyl acetate	< 20.0	ug/L		11/1/2016	22:46
Methyl tert-butyl Ether	< 20.0	ug/L		11/1/2016	22:46
Methylcyclohexane	**32.2**	ug/L		11/1/2016	22:46
Methylene chloride	< 50.0	ug/L		11/1/2016	22:46
o-Xylene	**98.6**	ug/L		11/1/2016	22:46
Styrene	< 50.0	ug/L		11/1/2016	22:46
Tetrachloroethene	< 20.0	ug/L		11/1/2016	22:46
Toluene	**130**	ug/L		11/1/2016	22:46
trans-1,2-Dichloroethene	< 20.0	ug/L		11/1/2016	22:46
trans-1,3-Dichloropropene	< 20.0	ug/L		11/1/2016	22:46
Trichloroethene	< 20.0	ug/L		11/1/2016	22:46
Trichlorofluoromethane	< 20.0	ug/L		11/1/2016	22:46
Vinyl chloride	< 20.0	ug/L		11/1/2016	22:46

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-6-102516
Lab Sample ID: 164747-03 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**94.1**	85.8 - 116		11/1/2016 22:46
4-Bromofluorobenzene	**95.1**	80.6 - 114		11/1/2016 22:46
Pentafluorobenzene	**100**	89.6 - 112		11/1/2016 22:46
Toluene-D8	**98.8**	89.6 - 109		11/1/2016 22:46

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x36589.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier:	BCP-MW-4-102516		
Lab Sample ID:	164747-04	**Date Sampled:**	10/25/2016
Matrix:	Groundwater	**Date Received:**	10/28/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		11/2/2016 09:16
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		11/2/2016 09:16
1,1,2-Trichloroethane	< 20.0	ug/L		11/2/2016 09:16
1,1-Dichloroethane	< 20.0	ug/L		11/2/2016 09:16
1,1-Dichloroethene	< 20.0	ug/L		11/2/2016 09:16
1,2,3-Trichlorobenzene	< 50.0	ug/L		11/2/2016 09:16
1,2,4-Trichlorobenzene	< 50.0	ug/L		11/2/2016 09:16
1,2-Dibromo-3-Chloropropane	< 100	ug/L		11/2/2016 09:16
1,2-Dibromoethane	< 20.0	ug/L		11/2/2016 09:16
1,2-Dichlorobenzene	< 20.0	ug/L		11/2/2016 09:16
1,2-Dichloroethane	< 20.0	ug/L		11/2/2016 09:16
1,2-Dichloropropane	< 20.0	ug/L		11/2/2016 09:16
1,3-Dichlorobenzene	< 20.0	ug/L		11/2/2016 09:16
1,4-Dichlorobenzene	< 20.0	ug/L		11/2/2016 09:16
1,4-dioxane	< 200	ug/L		11/2/2016 09:16
2-Butanone	< 100	ug/L		11/2/2016 09:16
2-Hexanone	< 50.0	ug/L		11/2/2016 09:16
4-Methyl-2-pentanone	< 50.0	ug/L		11/2/2016 09:16
Acetone	< 100	ug/L		11/2/2016 09:16
Benzene	**9.57**	ug/L	J	11/2/2016 09:16
Bromochloromethane	< 50.0	ug/L		11/2/2016 09:16
Bromodichloromethane	< 20.0	ug/L		11/2/2016 09:16
Bromoform	< 50.0	ug/L		11/2/2016 09:16
Bromomethane	< 20.0	ug/L		11/2/2016 09:16
Carbon disulfide	< 20.0	ug/L		11/2/2016 09:16
Carbon Tetrachloride	< 20.0	ug/L		11/2/2016 09:16
Chlorobenzene	< 20.0	ug/L		11/2/2016 09:16

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier:	BCP-MW-4-102516		
Lab Sample ID:	164747-04	**Date Sampled:**	10/25/2016
Matrix:	Groundwater	**Date Received:**	10/28/2016

Chloroethane	< 20.0	ug/L		11/2/2016	09:16
Chloroform	< 20.0	ug/L		11/2/2016	09:16
Chloromethane	< 20.0	ug/L		11/2/2016	09:16
cis-1,2-Dichloroethene	< 20.0	ug/L		11/2/2016	09:16
cis-1,3-Dichloropropene	< 20.0	ug/L		11/2/2016	09:16
Cyclohexane	**189**	ug/L		11/2/2016	09:16
Dibromochloromethane	< 20.0	ug/L		11/2/2016	09:16
Dichlorodifluoromethane	< 20.0	ug/L		11/2/2016	09:16
Ethylbenzene	**1000**	ug/L		11/2/2016	09:16
Freon 113	< 20.0	ug/L		11/2/2016	09:16
Isopropylbenzene	**19.0**	ug/L	J	11/2/2016	09:16
m,p-Xylene	**1150**	ug/L		11/2/2016	09:16
Methyl acetate	< 20.0	ug/L		11/2/2016	09:16
Methyl tert-butyl Ether	< 20.0	ug/L		11/2/2016	09:16
Methylcyclohexane	**85.1**	ug/L		11/2/2016	09:16
Methylene chloride	< 50.0	ug/L		11/2/2016	09:16
o-Xylene	**10.4**	ug/L	J	11/2/2016	09:16
Styrene	< 50.0	ug/L		11/2/2016	09:16
Tetrachloroethene	< 20.0	ug/L		11/2/2016	09:16
Toluene	**62.4**	ug/L		11/2/2016	09:16
trans-1,2-Dichloroethene	< 20.0	ug/L		11/2/2016	09:16
trans-1,3-Dichloropropene	< 20.0	ug/L		11/2/2016	09:16
Trichloroethene	< 20.0	ug/L		11/2/2016	09:16
Trichlorofluoromethane	< 20.0	ug/L		11/2/2016	09:16
Vinyl chloride	< 20.0	ug/L		11/2/2016	09:16

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-4-102516
Lab Sample ID: 164747-04 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**101**	85.8 - 116		11/2/2016 09:16
4-Bromofluorobenzene	**94.7**	80.6 - 114		11/2/2016 09:16
Pentafluorobenzene	**100**	89.6 - 112		11/2/2016 09:16
Toluene-D8	**99.2**	89.6 - 109		11/2/2016 09:16

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x36616.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-3-102516
Lab Sample ID: 164747-05 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		11/2/2016 09:40
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		11/2/2016 09:40
1,1,2-Trichloroethane	< 20.0	ug/L		11/2/2016 09:40
1,1-Dichloroethane	< 20.0	ug/L		11/2/2016 09:40
1,1-Dichloroethene	< 20.0	ug/L		11/2/2016 09:40
1,2,3-Trichlorobenzene	< 50.0	ug/L		11/2/2016 09:40
1,2,4-Trichlorobenzene	< 50.0	ug/L		11/2/2016 09:40
1,2-Dibromo-3-Chloropropane	< 100	ug/L		11/2/2016 09:40
1,2-Dibromoethane	< 20.0	ug/L		11/2/2016 09:40
1,2-Dichlorobenzene	< 20.0	ug/L		11/2/2016 09:40
1,2-Dichloroethane	< 20.0	ug/L		11/2/2016 09:40
1,2-Dichloropropane	< 20.0	ug/L		11/2/2016 09:40
1,3-Dichlorobenzene	< 20.0	ug/L		11/2/2016 09:40
1,4-Dichlorobenzene	< 20.0	ug/L		11/2/2016 09:40
1,4-dioxane	< 200	ug/L		11/2/2016 09:40
2-Butanone	< 100	ug/L		11/2/2016 09:40
2-Hexanone	< 50.0	ug/L		11/2/2016 09:40
4-Methyl-2-pentanone	< 50.0	ug/L		11/2/2016 09:40
Acetone	< 100	ug/L		11/2/2016 09:40
Benzene	**1390**	ug/L		11/2/2016 09:40
Bromochloromethane	< 50.0	ug/L		11/2/2016 09:40
Bromodichloromethane	< 20.0	ug/L		11/2/2016 09:40
Bromoform	< 50.0	ug/L		11/2/2016 09:40
Bromomethane	< 20.0	ug/L		11/2/2016 09:40
Carbon disulfide	< 20.0	ug/L		11/2/2016 09:40
Carbon Tetrachloride	< 20.0	ug/L		11/2/2016 09:40
Chlorobenzene	< 20.0	ug/L		11/2/2016 09:40

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-3-102516
Lab Sample ID: 164747-05 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Chloroethane	< 20.0	ug/L	11/2/2016	09:40
Chloroform	< 20.0	ug/L	11/2/2016	09:40
Chloromethane	< 20.0	ug/L	11/2/2016	09:40
cis-1,2-Dichloroethene	< 20.0	ug/L	11/2/2016	09:40
cis-1,3-Dichloropropene	< 20.0	ug/L	11/2/2016	09:40
Cyclohexane	< 100	ug/L	11/2/2016	09:40
Dibromochloromethane	< 20.0	ug/L	11/2/2016	09:40
Dichlorodifluoromethane	< 20.0	ug/L	11/2/2016	09:40
Ethylbenzene	**194**	ug/L	11/2/2016	09:40
Freon 113	< 20.0	ug/L	11/2/2016	09:40
Isopropylbenzene	< 20.0	ug/L	11/2/2016	09:40
m,p-Xylene	**784**	ug/L	11/2/2016	09:40
Methyl acetate	< 20.0	ug/L	11/2/2016	09:40
Methyl tert-butyl Ether	< 20.0	ug/L	11/2/2016	09:40
Methylcyclohexane	**47.7**	ug/L	11/2/2016	09:40
Methylene chloride	< 50.0	ug/L	11/2/2016	09:40
o-Xylene	**22.3**	ug/L	11/2/2016	09:40
Styrene	< 50.0	ug/L	11/2/2016	09:40
Tetrachloroethene	< 20.0	ug/L	11/2/2016	09:40
Toluene	**39.4**	ug/L	11/2/2016	09:40
trans-1,2-Dichloroethene	< 20.0	ug/L	11/2/2016	09:40
trans-1,3-Dichloropropene	< 20.0	ug/L	11/2/2016	09:40
Trichloroethene	< 20.0	ug/L	11/2/2016	09:40
Trichlorofluoromethane	< 20.0	ug/L	11/2/2016	09:40
Vinyl chloride	< 20.0	ug/L	11/2/2016	09:40

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-3-102516
Lab Sample ID: 164747-05 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**96.4**	85.8 - 116		11/2/2016 09:40
4-Bromofluorobenzene	**95.1**	80.6 - 114		11/2/2016 09:40
Pentafluorobenzene	**100**	89.6 - 112		11/2/2016 09:40
Toluene-D8	**96.8**	89.6 - 109		11/2/2016 09:40

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x36617.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-5-102516
Lab Sample ID: 164747-06 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		11/2/2016 11:13
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		11/2/2016 11:13
1,1,2-Trichloroethane	< 20.0	ug/L		11/2/2016 11:13
1,1-Dichloroethane	< 20.0	ug/L		11/2/2016 11:13
1,1-Dichloroethene	< 20.0	ug/L		11/2/2016 11:13
1,2,3-Trichlorobenzene	< 50.0	ug/L		11/2/2016 11:13
1,2,4-Trichlorobenzene	< 50.0	ug/L		11/2/2016 11:13
1,2-Dibromo-3-Chloropropane	< 100	ug/L		11/2/2016 11:13
1,2-Dibromoethane	< 20.0	ug/L		11/2/2016 11:13
1,2-Dichlorobenzene	< 20.0	ug/L		11/2/2016 11:13
1,2-Dichloroethane	< 20.0	ug/L		11/2/2016 11:13
1,2-Dichloropropane	< 20.0	ug/L		11/2/2016 11:13
1,3-Dichlorobenzene	< 20.0	ug/L		11/2/2016 11:13
1,4-Dichlorobenzene	< 20.0	ug/L		11/2/2016 11:13
1,4-dioxane	< 200	ug/L		11/2/2016 11:13
2-Butanone	< 100	ug/L		11/2/2016 11:13
2-Hexanone	< 50.0	ug/L		11/2/2016 11:13
4-Methyl-2-pentanone	< 50.0	ug/L		11/2/2016 11:13
Acetone	< 100	ug/L		11/2/2016 11:13
Benzene	**899**	ug/L		11/2/2016 11:13
Bromochloromethane	< 50.0	ug/L		11/2/2016 11:13
Bromodichloromethane	< 20.0	ug/L		11/2/2016 11:13
Bromoform	< 50.0	ug/L		11/2/2016 11:13
Bromomethane	< 20.0	ug/L		11/2/2016 11:13
Carbon disulfide	< 20.0	ug/L		11/2/2016 11:13
Carbon Tetrachloride	< 20.0	ug/L		11/2/2016 11:13
Chlorobenzene	< 20.0	ug/L		11/2/2016 11:13

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-5-102516
Lab Sample ID: 164747-06 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Chloroethane	< 20.0	ug/L		11/2/2016	11:13
Chloroform	< 20.0	ug/L		11/2/2016	11:13
Chloromethane	< 20.0	ug/L		11/2/2016	11:13
cis-1,2-Dichloroethene	< 20.0	ug/L		11/2/2016	11:13
cis-1,3-Dichloropropene	< 20.0	ug/L		11/2/2016	11:13
Cyclohexane	**198**	ug/L		11/2/2016	11:13
Dibromochloromethane	< 20.0	ug/L		11/2/2016	11:13
Dichlorodifluoromethane	< 20.0	ug/L		11/2/2016	11:13
Ethylbenzene	**1490**	ug/L		11/2/2016	11:13
Freon 113	< 20.0	ug/L		11/2/2016	11:13
Isopropylbenzene	**17.4**	ug/L	J	11/2/2016	11:13
m,p-Xylene	**2230**	ug/L		11/2/2016	11:13
Methyl acetate	< 20.0	ug/L		11/2/2016	11:13
Methyl tert-butyl Ether	< 20.0	ug/L		11/2/2016	11:13
Methylcyclohexane	**67.5**	ug/L		11/2/2016	11:13
Methylene chloride	< 50.0	ug/L		11/2/2016	11:13
o-Xylene	**41.3**	ug/L		11/2/2016	11:13
Styrene	< 50.0	ug/L		11/2/2016	11:13
Tetrachloroethene	< 20.0	ug/L		11/2/2016	11:13
Toluene	**68.5**	ug/L		11/2/2016	11:13
trans-1,2-Dichloroethene	< 20.0	ug/L		11/2/2016	11:13
trans-1,3-Dichloropropene	< 20.0	ug/L		11/2/2016	11:13
Trichloroethene	< 20.0	ug/L		11/2/2016	11:13
Trichlorofluoromethane	< 20.0	ug/L		11/2/2016	11:13
Vinyl chloride	< 20.0	ug/L		11/2/2016	11:13

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 164747

Client: **C&S Companies**

Project Reference: Coventus

Sample Identifier: BCP-MW-5-102516
Lab Sample ID: 164747-06 **Date Sampled:** 10/25/2016
Matrix: Groundwater **Date Received:** 10/28/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**96.3**	85.8 - 116		11/2/2016	11:13
4-Bromofluorobenzene	**96.6**	80.6 - 114		11/2/2016	11:13
Pentafluorobenzene	**104**	89.6 - 112		11/2/2016	11:13
Toluene-D8	**99.4**	89.6 - 109		11/2/2016	11:13

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x36621.D

Report Prepared Wednesday, November 02, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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, term, 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 will 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 the 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

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:		
CLIENT:	C&S Engineers	CLIENT:	Same	LAB PROJECT ID: 164747
ADDRESS:	141 Elm Street	ADDRESS:		
CITY:	Buffalo STATE: NY ZIP: 14203	CITY: STATE: ZIP:		Quotation #:
PHONE:	716-955-3021	PHONE:		Email: CMartin@cscos.com
ATTN:	Cody Martin	ATTN:		

PROJECT REFERENCE

Coventus
per sample labels
GP 10/28/16

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
10/25/16	9:15		X	BCP-MW-7-102516	WG	2	X											01
	9:50		X	BCP-MW-1-102516	WG	2	X											02
	10:46		X	BCP-MW-6-102516	WG	2	X											03
	11:30		X	BCP-MW-4-102516	WG	2	X											04
	12:15		X	BCP-MW-3-102516	WG	2	X											05
	12:45		X	BCP-MW-5-102516	WG	2	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	
Rush 3 day	X	Category A		NYSDEC EDD	X
Rush 2 day		Category B	X		
Rush 1 day					
Other		Other		Other EDD	X
please indicate date needed:		please indicate package needed:		please indicate EDD needed:	EIM

Cody A Martin 10/25/16 3:00pm
Sampled By Date/Time Total Cost:

Cody A Martin 10/27/16 1:30pm
Relinquished By Date/Time

James Steenier 10/27/16 1:30pm
Received By Date/Time P.I.F.

JR 10/28/16 15:13
Received @ Lab By Date/Time

9°C 10/28/16 11:30

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

No Custody Seal, sent via UPS. GP 10/28/16

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

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

Lab Project ID: 164747 **Date:** 10/28/16

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	9°C 10/28/16 11:30		
Sufficient Sample Quantity	X		
Comments			

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

C&S Companies

For Lab Project ID

165361

Referencing

Conventus

Prepared

Friday, December 16, 2016

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 • PADEP ID# 68-02351

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-4-120816
Lab Sample ID: 165361-01 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		12/14/2016 15:38
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		12/14/2016 15:38
1,1,2-Trichloroethane	< 20.0	ug/L		12/14/2016 15:38
1,1-Dichloroethane	< 20.0	ug/L		12/14/2016 15:38
1,1-Dichloroethene	< 20.0	ug/L		12/14/2016 15:38
1,2,3-Trichlorobenzene	< 50.0	ug/L		12/14/2016 15:38
1,2,4-Trichlorobenzene	< 50.0	ug/L		12/14/2016 15:38
1,2-Dibromo-3-Chloropropane	< 100	ug/L		12/14/2016 15:38
1,2-Dibromoethane	< 20.0	ug/L		12/14/2016 15:38
1,2-Dichlorobenzene	< 20.0	ug/L		12/14/2016 15:38
1,2-Dichloroethane	< 20.0	ug/L		12/14/2016 15:38
1,2-Dichloropropane	< 20.0	ug/L		12/14/2016 15:38
1,3-Dichlorobenzene	< 20.0	ug/L		12/14/2016 15:38
1,4-Dichlorobenzene	< 20.0	ug/L		12/14/2016 15:38
1,4-dioxane	< 200	ug/L		12/14/2016 15:38
2-Butanone	< 100	ug/L		12/14/2016 15:38
2-Hexanone	< 50.0	ug/L		12/14/2016 15:38
4-Methyl-2-pentanone	< 50.0	ug/L		12/14/2016 15:38
Acetone	< 100	ug/L		12/14/2016 15:38
Benzene	**12.8**	ug/L		12/14/2016 15:38
Bromochloromethane	< 50.0	ug/L		12/14/2016 15:38
Bromodichloromethane	< 20.0	ug/L		12/14/2016 15:38
Bromoform	< 50.0	ug/L		12/14/2016 15:38
Bromomethane	< 20.0	ug/L		12/14/2016 15:38
Carbon disulfide	< 20.0	ug/L		12/14/2016 15:38
Carbon Tetrachloride	< 20.0	ug/L		12/14/2016 15:38
Chlorobenzene	< 20.0	ug/L		12/14/2016 15:38
Chloroethane	< 20.0	ug/L		12/14/2016 15:38
Chloroform	< 20.0	ug/L		12/14/2016 15:38

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-4-120816
Lab Sample ID: 165361-01 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Chloromethane	< 20.0	ug/L	12/14/2016	15:38
cis-1,2-Dichloroethene	< 20.0	ug/L	12/14/2016	15:38
cis-1,3-Dichloropropene	< 20.0	ug/L	12/14/2016	15:38
Cyclohexane	**259**	ug/L	12/14/2016	15:38
Dibromochloromethane	< 20.0	ug/L	12/14/2016	15:38
Dichlorodifluoromethane	< 20.0	ug/L	12/14/2016	15:38
Ethylbenzene	**1170**	ug/L	12/14/2016	15:38
Freon 113	< 20.0	ug/L	12/14/2016	15:38
Isopropylbenzene	**30.3**	ug/L	12/14/2016	15:38
m,p-Xylene	**1750**	ug/L	12/14/2016	15:38
Methyl acetate	< 20.0	ug/L	12/14/2016	15:38
Methyl tert-butyl Ether	< 20.0	ug/L	12/14/2016	15:38
Methylcyclohexane	**110**	ug/L	12/14/2016	15:38
Methylene chloride	< 50.0	ug/L	12/14/2016	15:38
o-Xylene	**142**	ug/L	12/14/2016	15:38
Styrene	< 50.0	ug/L	12/14/2016	15:38
Tetrachloroethene	< 20.0	ug/L	12/14/2016	15:38
Toluene	**130**	ug/L	12/14/2016	15:38
trans-1,2-Dichloroethene	< 20.0	ug/L	12/14/2016	15:38
trans-1,3-Dichloropropene	< 20.0	ug/L	12/14/2016	15:38
Trichloroethene	< 20.0	ug/L	12/14/2016	15:38
Trichlorofluoromethane	< 20.0	ug/L	12/14/2016	15:38
Vinyl chloride	< 20.0	ug/L	12/14/2016	15:38

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	85.8 - 116		12/14/2016	15:38
4-Bromofluorobenzene	**102**	80.6 - 114		12/14/2016	15:38
Pentafluorobenzene	**103**	89.6 - 112		12/14/2016	15:38
Toluene-D8	**100**	89.6 - 109		12/14/2016	15:38

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x37777.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-6-120816
Lab Sample ID: 165361-02 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		12/14/2016 16:46
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		12/14/2016 16:46
1,1,2-Trichloroethane	< 20.0	ug/L		12/14/2016 16:46
1,1-Dichloroethane	< 20.0	ug/L		12/14/2016 16:46
1,1-Dichloroethene	< 20.0	ug/L		12/14/2016 16:46
1,2,3-Trichlorobenzene	< 50.0	ug/L		12/14/2016 16:46
1,2,4-Trichlorobenzene	< 50.0	ug/L		12/14/2016 16:46
1,2-Dibromo-3-Chloropropane	< 100	ug/L		12/14/2016 16:46
1,2-Dibromoethane	< 20.0	ug/L		12/14/2016 16:46
1,2-Dichlorobenzene	< 20.0	ug/L		12/14/2016 16:46
1,2-Dichloroethane	< 20.0	ug/L		12/14/2016 16:46
1,2-Dichloropropane	< 20.0	ug/L		12/14/2016 16:46
1,3-Dichlorobenzene	< 20.0	ug/L		12/14/2016 16:46
1,4-Dichlorobenzene	< 20.0	ug/L		12/14/2016 16:46
1,4-dioxane	< 200	ug/L		12/14/2016 16:46
2-Butanone	< 100	ug/L		12/14/2016 16:46
2-Hexanone	< 50.0	ug/L		12/14/2016 16:46
4-Methyl-2-pentanone	< 50.0	ug/L		12/14/2016 16:46
Acetone	< 100	ug/L		12/14/2016 16:46
Benzene	**168**	ug/L		12/14/2016 16:46
Bromochloromethane	< 50.0	ug/L		12/14/2016 16:46
Bromodichloromethane	< 20.0	ug/L		12/14/2016 16:46
Bromoform	< 50.0	ug/L		12/14/2016 16:46
Bromomethane	< 20.0	ug/L		12/14/2016 16:46
Carbon disulfide	< 20.0	ug/L		12/14/2016 16:46
Carbon Tetrachloride	< 20.0	ug/L		12/14/2016 16:46
Chlorobenzene	< 20.0	ug/L		12/14/2016 16:46
Chloroethane	< 20.0	ug/L		12/14/2016 16:46
Chloroform	< 20.0	ug/L		12/14/2016 16:46

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-6-120816
Lab Sample ID: 165361-02 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Chloromethane	< 20.0	ug/L	12/14/2016	16:46
cis-1,2-Dichloroethene	< 20.0	ug/L	12/14/2016	16:46
cis-1,3-Dichloropropene	< 20.0	ug/L	12/14/2016	16:46
Cyclohexane	< 100	ug/L	12/14/2016	16:46
Dibromochloromethane	< 20.0	ug/L	12/14/2016	16:46
Dichlorodifluoromethane	< 20.0	ug/L	12/14/2016	16:46
Ethylbenzene	**169**	ug/L	12/14/2016	16:46
Freon 113	< 20.0	ug/L	12/14/2016	16:46
Isopropylbenzene	< 20.0	ug/L	12/14/2016	16:46
m,p-Xylene	**262**	ug/L	12/14/2016	16:46
Methyl acetate	< 20.0	ug/L	12/14/2016	16:46
Methyl tert-butyl Ether	< 20.0	ug/L	12/14/2016	16:46
Methylcyclohexane	**30.2**	ug/L	12/14/2016	16:46
Methylene chloride	< 50.0	ug/L	12/14/2016	16:46
o-Xylene	**98.3**	ug/L	12/14/2016	16:46
Styrene	< 50.0	ug/L	12/14/2016	16:46
Tetrachloroethene	< 20.0	ug/L	12/14/2016	16:46
Toluene	**255**	ug/L	12/14/2016	16:46
trans-1,2-Dichloroethene	< 20.0	ug/L	12/14/2016	16:46
trans-1,3-Dichloropropene	< 20.0	ug/L	12/14/2016	16:46
Trichloroethene	< 20.0	ug/L	12/14/2016	16:46
Trichlorofluoromethane	< 20.0	ug/L	12/14/2016	16:46
Vinyl chloride	< 20.0	ug/L	12/14/2016	16:46

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	85.8 - 116		12/14/2016	16:46
4-Bromofluorobenzene	**99.1**	80.6 - 114		12/14/2016	16:46
Pentafluorobenzene	**103**	89.6 - 112		12/14/2016	16:46
Toluene-D8	**99.9**	89.6 - 109		12/14/2016	16:46

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x37780.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-5-120816
Lab Sample ID: 165361-03 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		12/14/2016 17:09
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		12/14/2016 17:09
1,1,2-Trichloroethane	< 20.0	ug/L		12/14/2016 17:09
1,1-Dichloroethane	< 20.0	ug/L		12/14/2016 17:09
1,1-Dichloroethene	< 20.0	ug/L		12/14/2016 17:09
1,2,3-Trichlorobenzene	< 50.0	ug/L		12/14/2016 17:09
1,2,4-Trichlorobenzene	< 50.0	ug/L		12/14/2016 17:09
1,2-Dibromo-3-Chloropropane	< 100	ug/L		12/14/2016 17:09
1,2-Dibromoethane	< 20.0	ug/L		12/14/2016 17:09
1,2-Dichlorobenzene	< 20.0	ug/L		12/14/2016 17:09
1,2-Dichloroethane	< 20.0	ug/L		12/14/2016 17:09
1,2-Dichloropropane	< 20.0	ug/L		12/14/2016 17:09
1,3-Dichlorobenzene	< 20.0	ug/L		12/14/2016 17:09
1,4-Dichlorobenzene	< 20.0	ug/L		12/14/2016 17:09
1,4-dioxane	< 200	ug/L		12/14/2016 17:09
2-Butanone	< 100	ug/L		12/14/2016 17:09
2-Hexanone	< 50.0	ug/L		12/14/2016 17:09
4-Methyl-2-pentanone	< 50.0	ug/L		12/14/2016 17:09
Acetone	< 100	ug/L		12/14/2016 17:09
Benzene	**949**	ug/L		12/14/2016 17:09
Bromochloromethane	< 50.0	ug/L		12/14/2016 17:09
Bromodichloromethane	< 20.0	ug/L		12/14/2016 17:09
Bromoform	< 50.0	ug/L		12/14/2016 17:09
Bromomethane	< 20.0	ug/L		12/14/2016 17:09
Carbon disulfide	< 20.0	ug/L		12/14/2016 17:09
Carbon Tetrachloride	< 20.0	ug/L		12/14/2016 17:09
Chlorobenzene	< 20.0	ug/L		12/14/2016 17:09
Chloroethane	< 20.0	ug/L		12/14/2016 17:09
Chloroform	< 20.0	ug/L		12/14/2016 17:09

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-5-120816
Lab Sample ID: 165361-03 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Chloromethane	< 20.0	ug/L	12/14/2016	17:09
cis-1,2-Dichloroethene	< 20.0	ug/L	12/14/2016	17:09
cis-1,3-Dichloropropene	< 20.0	ug/L	12/14/2016	17:09
Cyclohexane	**148**	ug/L	12/14/2016	17:09
Dibromochloromethane	< 20.0	ug/L	12/14/2016	17:09
Dichlorodifluoromethane	< 20.0	ug/L	12/14/2016	17:09
Ethylbenzene	**1450**	ug/L	12/14/2016	17:09
Freon 113	< 20.0	ug/L	12/14/2016	17:09
Isopropylbenzene	**20.5**	ug/L	12/14/2016	17:09
m,p-Xylene	**2090**	ug/L	12/14/2016	17:09
Methyl acetate	< 20.0	ug/L	12/14/2016	17:09
Methyl tert-butyl Ether	< 20.0	ug/L	12/14/2016	17:09
Methylcyclohexane	**58.4**	ug/L	12/14/2016	17:09
Methylene chloride	< 50.0	ug/L	12/14/2016	17:09
o-Xylene	**62.2**	ug/L	12/14/2016	17:09
Styrene	< 50.0	ug/L	12/14/2016	17:09
Tetrachloroethene	< 20.0	ug/L	12/14/2016	17:09
Toluene	**84.9**	ug/L	12/14/2016	17:09
trans-1,2-Dichloroethene	< 20.0	ug/L	12/14/2016	17:09
trans-1,3-Dichloropropene	< 20.0	ug/L	12/14/2016	17:09
Trichloroethene	< 20.0	ug/L	12/14/2016	17:09
Trichlorofluoromethane	< 20.0	ug/L	12/14/2016	17:09
Vinyl chloride	< 20.0	ug/L	12/14/2016	17:09

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	85.8 - 116		12/14/2016	17:09
4-Bromofluorobenzene	**103**	80.6 - 114		12/14/2016	17:09
Pentafluorobenzene	**105**	89.6 - 112		12/14/2016	17:09
Toluene-D8	**98.8**	89.6 - 109		12/14/2016	17:09

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x37781.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-3-120816
Lab Sample ID: 165361-04 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		12/14/2016 17:32
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		12/14/2016 17:32
1,1,2-Trichloroethane	< 20.0	ug/L		12/14/2016 17:32
1,1-Dichloroethane	< 20.0	ug/L		12/14/2016 17:32
1,1-Dichloroethene	< 20.0	ug/L		12/14/2016 17:32
1,2,3-Trichlorobenzene	< 50.0	ug/L		12/14/2016 17:32
1,2,4-Trichlorobenzene	< 50.0	ug/L		12/14/2016 17:32
1,2-Dibromo-3-Chloropropane	< 100	ug/L		12/14/2016 17:32
1,2-Dibromoethane	< 20.0	ug/L		12/14/2016 17:32
1,2-Dichlorobenzene	< 20.0	ug/L		12/14/2016 17:32
1,2-Dichloroethane	< 20.0	ug/L		12/14/2016 17:32
1,2-Dichloropropane	< 20.0	ug/L		12/14/2016 17:32
1,3-Dichlorobenzene	< 20.0	ug/L		12/14/2016 17:32
1,4-Dichlorobenzene	< 20.0	ug/L		12/14/2016 17:32
1,4-dioxane	< 200	ug/L		12/14/2016 17:32
2-Butanone	< 100	ug/L		12/14/2016 17:32
2-Hexanone	< 50.0	ug/L		12/14/2016 17:32
4-Methyl-2-pentanone	< 50.0	ug/L		12/14/2016 17:32
Acetone	< 100	ug/L		12/14/2016 17:32
Benzene	**635**	ug/L		12/14/2016 17:32
Bromochloromethane	< 50.0	ug/L		12/14/2016 17:32
Bromodichloromethane	< 20.0	ug/L		12/14/2016 17:32
Bromoform	< 50.0	ug/L		12/14/2016 17:32
Bromomethane	< 20.0	ug/L		12/14/2016 17:32
Carbon disulfide	< 20.0	ug/L		12/14/2016 17:32
Carbon Tetrachloride	< 20.0	ug/L		12/14/2016 17:32
Chlorobenzene	< 20.0	ug/L		12/14/2016 17:32
Chloroethane	< 20.0	ug/L		12/14/2016 17:32
Chloroform	< 20.0	ug/L		12/14/2016 17:32

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-3-120816
Lab Sample ID: 165361-04 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Chloromethane	< 20.0	ug/L	12/14/2016	17:32
cis-1,2-Dichloroethene	< 20.0	ug/L	12/14/2016	17:32
cis-1,3-Dichloropropene	< 20.0	ug/L	12/14/2016	17:32
Cyclohexane	< 100	ug/L	12/14/2016	17:32
Dibromochloromethane	< 20.0	ug/L	12/14/2016	17:32
Dichlorodifluoromethane	< 20.0	ug/L	12/14/2016	17:32
Ethylbenzene	**899**	ug/L	12/14/2016	17:32
Freon 113	< 20.0	ug/L	12/14/2016	17:32
Isopropylbenzene	< 20.0	ug/L	12/14/2016	17:32
m,p-Xylene	**1380**	ug/L	12/14/2016	17:32
Methyl acetate	< 20.0	ug/L	12/14/2016	17:32
Methyl tert-butyl Ether	< 20.0	ug/L	12/14/2016	17:32
Methylcyclohexane	< 20.0	ug/L	12/14/2016	17:32
Methylene chloride	< 50.0	ug/L	12/14/2016	17:32
o-Xylene	**49.6**	ug/L	12/14/2016	17:32
Styrene	< 50.0	ug/L	12/14/2016	17:32
Tetrachloroethene	< 20.0	ug/L	12/14/2016	17:32
Toluene	**74.5**	ug/L	12/14/2016	17:32
trans-1,2-Dichloroethene	< 20.0	ug/L	12/14/2016	17:32
trans-1,3-Dichloropropene	< 20.0	ug/L	12/14/2016	17:32
Trichloroethene	< 20.0	ug/L	12/14/2016	17:32
Trichlorofluoromethane	< 20.0	ug/L	12/14/2016	17:32
Vinyl chloride	< 20.0	ug/L	12/14/2016	17:32

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	85.8 - 116		12/14/2016	17:32
4-Bromofluorobenzene	**99.4**	80.6 - 114		12/14/2016	17:32
Pentafluorobenzene	**102**	89.6 - 112		12/14/2016	17:32
Toluene-D8	**101**	89.6 - 109		12/14/2016	17:32

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x37782.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: DS-120816
Lab Sample ID: 165361-05 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		12/14/2016 16:24
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		12/14/2016 16:24
1,1,2-Trichloroethane	< 2.00	ug/L		12/14/2016 16:24
1,1-Dichloroethane	< 2.00	ug/L		12/14/2016 16:24
1,1-Dichloroethene	< 2.00	ug/L		12/14/2016 16:24
1,2,3-Trichlorobenzene	< 5.00	ug/L		12/14/2016 16:24
1,2,4-Trichlorobenzene	< 5.00	ug/L		12/14/2016 16:24
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		12/14/2016 16:24
1,2-Dibromoethane	< 2.00	ug/L		12/14/2016 16:24
1,2-Dichlorobenzene	< 2.00	ug/L		12/14/2016 16:24
1,2-Dichloroethane	< 2.00	ug/L		12/14/2016 16:24
1,2-Dichloropropane	< 2.00	ug/L		12/14/2016 16:24
1,3-Dichlorobenzene	< 2.00	ug/L		12/14/2016 16:24
1,4-Dichlorobenzene	< 2.00	ug/L		12/14/2016 16:24
1,4-dioxane	< 20.0	ug/L		12/14/2016 16:24
2-Butanone	< 10.0	ug/L		12/14/2016 16:24
2-Hexanone	< 5.00	ug/L		12/14/2016 16:24
4-Methyl-2-pentanone	< 5.00	ug/L		12/14/2016 16:24
Acetone	< 10.0	ug/L		12/14/2016 16:24
Benzene	< 1.00	ug/L		12/14/2016 16:24
Bromochloromethane	< 5.00	ug/L		12/14/2016 16:24
Bromodichloromethane	< 2.00	ug/L		12/14/2016 16:24
Bromoform	< 5.00	ug/L		12/14/2016 16:24
Bromomethane	< 2.00	ug/L		12/14/2016 16:24
Carbon disulfide	< 2.00	ug/L		12/14/2016 16:24
Carbon Tetrachloride	< 2.00	ug/L		12/14/2016 16:24
Chlorobenzene	< 2.00	ug/L		12/14/2016 16:24
Chloroethane	< 2.00	ug/L		12/14/2016 16:24
Chloroform	< 2.00	ug/L		12/14/2016 16:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165361

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: DS-120816
Lab Sample ID: 165361-05 **Date Sampled:** 12/8/2016
Matrix: Groundwater **Date Received:** 12/9/2016

Chloromethane	< 2.00	ug/L	12/14/2016	16:24
cis-1,2-Dichloroethene	< 2.00	ug/L	12/14/2016	16:24
cis-1,3-Dichloropropene	< 2.00	ug/L	12/14/2016	16:24
Cyclohexane	< 10.0	ug/L	12/14/2016	16:24
Dibromochloromethane	< 2.00	ug/L	12/14/2016	16:24
Dichlorodifluoromethane	< 2.00	ug/L	12/14/2016	16:24
Ethylbenzene	< 2.00	ug/L	12/14/2016	16:24
Freon 113	< 2.00	ug/L	12/14/2016	16:24
Isopropylbenzene	< 2.00	ug/L	12/14/2016	16:24
m,p-Xylene	< 2.00	ug/L	12/14/2016	16:24
Methyl acetate	< 2.00	ug/L	12/14/2016	16:24
Methyl tert-butyl Ether	< 2.00	ug/L	12/14/2016	16:24
Methylcyclohexane	< 2.00	ug/L	12/14/2016	16:24
Methylene chloride	< 5.00	ug/L	12/14/2016	16:24
o-Xylene	< 2.00	ug/L	12/14/2016	16:24
Styrene	< 5.00	ug/L	12/14/2016	16:24
Tetrachloroethene	< 2.00	ug/L	12/14/2016	16:24
Toluene	< 2.00	ug/L	12/14/2016	16:24
trans-1,2-Dichloroethene	< 2.00	ug/L	12/14/2016	16:24
trans-1,3-Dichloropropene	< 2.00	ug/L	12/14/2016	16:24
Trichloroethene	< 2.00	ug/L	12/14/2016	16:24
Trichlorofluoromethane	< 2.00	ug/L	12/14/2016	16:24
Vinyl chloride	< 2.00	ug/L	12/14/2016	16:24

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**103**	85.8 - 116		12/14/2016	16:24
4-Bromofluorobenzene	**97.1**	80.6 - 114		12/14/2016	16:24
Pentafluorobenzene	**101**	89.6 - 112		12/14/2016	16:24
Toluene-D8	**96.1**	89.6 - 109		12/14/2016	16:24

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x37779.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

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		
CLIENT:	C&S Engineers, Inc.	CLIENT:	Same	LAB PROJECT ID: 165361
ADDRESS:	141 Elm Street	ADDRESS:		
CITY:	Buffalo STATE: NY ZIP: 14203	CITY:	STATE: ZIP:	Quotation #:
PHONE:	716-955-3021	PHONE:		Email: CMartin@CSCOS.com
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
12/8/16	8:30		X	BCP-MW-4-120816	WG	2	X		01
	8:40		X	BCP-MW-6-120816	WG	2	X		02
	12:00		X	BCP-MW-5-120816	WG	2	X		03
	2:30		X	BCP-MW-3-120816	WG	2	X		04
	2:45		X	DS-120816	WG	2	X		05

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

Cody Martin 12/8/16 3:00
Sampled By Date/Time

Total Cost:

Cody Martin 12/9/16 11:00
Relinquished By Date/Time

James Steiner 12/9/16 11:00 am
Received By Date/Time

P.I.F.

2 Pc 12/9/16 17:17
Received @ Lab By Date/Time

4°C cool 12/9/16 13:37

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

See additional page for sample conditions.

Chain of Custody Supplement

Client: C & S Engineers **Completed by:** Glen Pezzulo

Lab Project ID: 165361 **Date:** 12/9/16

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	4°C iced		
Sufficient Sample Quantity	X		
Comments			

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

C&S Companies

For Lab Project ID

170250

Referencing

Conventus

Prepared

Thursday, January 26, 2017

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

Rebecca Roux

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-6-012017
Lab Sample ID: 170250-01 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		1/25/2017 14:53
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		1/25/2017 14:53
1,1,2-Trichloroethane	< 20.0	ug/L		1/25/2017 14:53
1,1-Dichloroethane	< 20.0	ug/L		1/25/2017 14:53
1,1-Dichloroethene	< 20.0	ug/L		1/25/2017 14:53
1,2,3-Trichlorobenzene	< 50.0	ug/L		1/25/2017 14:53
1,2,4-Trichlorobenzene	< 50.0	ug/L		1/25/2017 14:53
1,2-Dibromo-3-Chloropropane	< 100	ug/L		1/25/2017 14:53
1,2-Dibromoethane	< 20.0	ug/L		1/25/2017 14:53
1,2-Dichlorobenzene	< 20.0	ug/L		1/25/2017 14:53
1,2-Dichloroethane	< 20.0	ug/L		1/25/2017 14:53
1,2-Dichloropropane	< 20.0	ug/L		1/25/2017 14:53
1,3-Dichlorobenzene	< 20.0	ug/L		1/25/2017 14:53
1,4-Dichlorobenzene	< 20.0	ug/L		1/25/2017 14:53
1,4-dioxane	< 200	ug/L		1/25/2017 14:53
2-Butanone	< 100	ug/L		1/25/2017 14:53
2-Hexanone	< 50.0	ug/L		1/25/2017 14:53
4-Methyl-2-pentanone	< 50.0	ug/L		1/25/2017 14:53
Acetone	< 100	ug/L		1/25/2017 14:53
Benzene	**200**	ug/L		1/25/2017 14:53
Bromochloromethane	< 50.0	ug/L		1/25/2017 14:53
Bromodichloromethane	< 20.0	ug/L		1/25/2017 14:53
Bromoform	< 50.0	ug/L		1/25/2017 14:53
Bromomethane	< 20.0	ug/L		1/25/2017 14:53
Carbon disulfide	< 20.0	ug/L		1/25/2017 14:53
Carbon Tetrachloride	< 20.0	ug/L		1/25/2017 14:53
Chlorobenzene	< 20.0	ug/L		1/25/2017 14:53
Chloroethane	< 20.0	ug/L		1/25/2017 14:53
Chloroform	< 20.0	ug/L		1/25/2017 14:53

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-6-012017
Lab Sample ID: 170250-01 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Chloromethane	< 20.0	ug/L	1/25/2017	14:53
cis-1,2-Dichloroethene	< 20.0	ug/L	1/25/2017	14:53
cis-1,3-Dichloropropene	< 20.0	ug/L	1/25/2017	14:53
Cyclohexane	< 100	ug/L	1/25/2017	14:53
Dibromochloromethane	< 20.0	ug/L	1/25/2017	14:53
Dichlorodifluoromethane	< 20.0	ug/L	1/25/2017	14:53
Ethylbenzene	**173**	ug/L	1/25/2017	14:53
Freon 113	< 20.0	ug/L	1/25/2017	14:53
Isopropylbenzene	< 20.0	ug/L	1/25/2017	14:53
m,p-Xylene	**328**	ug/L	1/25/2017	14:53
Methyl acetate	< 20.0	ug/L	1/25/2017	14:53
Methyl tert-butyl Ether	< 20.0	ug/L	1/25/2017	14:53
Methylcyclohexane	**36.9**	ug/L	1/25/2017	14:53
Methylene chloride	< 50.0	ug/L	1/25/2017	14:53
o-Xylene	**123**	ug/L	1/25/2017	14:53
Styrene	< 50.0	ug/L	1/25/2017	14:53
Tetrachloroethene	< 20.0	ug/L	1/25/2017	14:53
Toluene	**351**	ug/L	1/25/2017	14:53
trans-1,2-Dichloroethene	< 20.0	ug/L	1/25/2017	14:53
trans-1,3-Dichloropropene	< 20.0	ug/L	1/25/2017	14:53
Trichloroethene	< 20.0	ug/L	1/25/2017	14:53
Trichlorofluoromethane	< 20.0	ug/L	1/25/2017	14:53
Vinyl chloride	< 20.0	ug/L	1/25/2017	14:53

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	81.2 - 120		1/25/2017	14:53
4-Bromofluorobenzene	**94.9**	82.4 - 112		1/25/2017	14:53
Pentafluorobenzene	**95.7**	90.2 - 112		1/25/2017	14:53
Toluene-D8	**99.2**	89.9 - 109		1/25/2017	14:53

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38695.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-4-012017
Lab Sample ID: 170250-02 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		1/25/2017 15:17
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		1/25/2017 15:17
1,1,2-Trichloroethane	< 20.0	ug/L		1/25/2017 15:17
1,1-Dichloroethane	< 20.0	ug/L		1/25/2017 15:17
1,1-Dichloroethene	< 20.0	ug/L		1/25/2017 15:17
1,2,3-Trichlorobenzene	< 50.0	ug/L		1/25/2017 15:17
1,2,4-Trichlorobenzene	< 50.0	ug/L		1/25/2017 15:17
1,2-Dibromo-3-Chloropropane	< 100	ug/L		1/25/2017 15:17
1,2-Dibromoethane	< 20.0	ug/L		1/25/2017 15:17
1,2-Dichlorobenzene	< 20.0	ug/L		1/25/2017 15:17
1,2-Dichloroethane	< 20.0	ug/L		1/25/2017 15:17
1,2-Dichloropropane	< 20.0	ug/L		1/25/2017 15:17
1,3-Dichlorobenzene	< 20.0	ug/L		1/25/2017 15:17
1,4-Dichlorobenzene	< 20.0	ug/L		1/25/2017 15:17
1,4-dioxane	< 200	ug/L		1/25/2017 15:17
2-Butanone	< 100	ug/L		1/25/2017 15:17
2-Hexanone	< 50.0	ug/L		1/25/2017 15:17
4-Methyl-2-pentanone	< 50.0	ug/L		1/25/2017 15:17
Acetone	< 100	ug/L		1/25/2017 15:17
Benzene	**10.2**	ug/L		1/25/2017 15:17
Bromochloromethane	< 50.0	ug/L		1/25/2017 15:17
Bromodichloromethane	< 20.0	ug/L		1/25/2017 15:17
Bromoform	< 50.0	ug/L		1/25/2017 15:17
Bromomethane	< 20.0	ug/L		1/25/2017 15:17
Carbon disulfide	< 20.0	ug/L		1/25/2017 15:17
Carbon Tetrachloride	< 20.0	ug/L		1/25/2017 15:17
Chlorobenzene	< 20.0	ug/L		1/25/2017 15:17
Chloroethane	< 20.0	ug/L		1/25/2017 15:17
Chloroform	< 20.0	ug/L		1/25/2017 15:17

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-4-012017
Lab Sample ID: 170250-02 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Chloromethane	< 20.0	ug/L	1/25/2017	15:17
cis-1,2-Dichloroethene	< 20.0	ug/L	1/25/2017	15:17
cis-1,3-Dichloropropene	< 20.0	ug/L	1/25/2017	15:17
Cyclohexane	**276**	ug/L	1/25/2017	15:17
Dibromochloromethane	< 20.0	ug/L	1/25/2017	15:17
Dichlorodifluoromethane	< 20.0	ug/L	1/25/2017	15:17
Ethylbenzene	**1300**	ug/L	1/25/2017	15:17
Freon 113	< 20.0	ug/L	1/25/2017	15:17
Isopropylbenzene	**28.7**	ug/L	1/25/2017	15:17
m,p-Xylene	**1840**	ug/L	1/25/2017	15:17
Methyl acetate	< 20.0	ug/L	1/25/2017	15:17
Methyl tert-butyl Ether	< 20.0	ug/L	1/25/2017	15:17
Methylcyclohexane	**123**	ug/L	1/25/2017	15:17
Methylene chloride	< 50.0	ug/L	1/25/2017	15:17
o-Xylene	**104**	ug/L	1/25/2017	15:17
Styrene	< 50.0	ug/L	1/25/2017	15:17
Tetrachloroethene	< 20.0	ug/L	1/25/2017	15:17
Toluene	**133**	ug/L	1/25/2017	15:17
trans-1,2-Dichloroethene	< 20.0	ug/L	1/25/2017	15:17
trans-1,3-Dichloropropene	< 20.0	ug/L	1/25/2017	15:17
Trichloroethene	< 20.0	ug/L	1/25/2017	15:17
Trichlorofluoromethane	< 20.0	ug/L	1/25/2017	15:17
Vinyl chloride	< 20.0	ug/L	1/25/2017	15:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	81.2 - 120		1/25/2017	15:17
4-Bromofluorobenzene	**97.8**	82.4 - 112		1/25/2017	15:17
Pentafluorobenzene	**97.8**	90.2 - 112		1/25/2017	15:17
Toluene-D8	**101**	89.9 - 109		1/25/2017	15:17

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38696.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-5-012017
Lab Sample ID: 170250-03 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 40.0	ug/L		1/25/2017 21:05
1,1,2,2-Tetrachloroethane	< 40.0	ug/L		1/25/2017 21:05
1,1,2-Trichloroethane	< 40.0	ug/L		1/25/2017 21:05
1,1-Dichloroethane	< 40.0	ug/L		1/25/2017 21:05
1,1-Dichloroethene	< 40.0	ug/L		1/25/2017 21:05
1,2,3-Trichlorobenzene	< 100	ug/L		1/25/2017 21:05
1,2,4-Trichlorobenzene	< 100	ug/L		1/25/2017 21:05
1,2-Dibromo-3-Chloropropane	< 200	ug/L		1/25/2017 21:05
1,2-Dibromoethane	< 40.0	ug/L		1/25/2017 21:05
1,2-Dichlorobenzene	< 40.0	ug/L		1/25/2017 21:05
1,2-Dichloroethane	< 40.0	ug/L		1/25/2017 21:05
1,2-Dichloropropane	< 40.0	ug/L		1/25/2017 21:05
1,3-Dichlorobenzene	< 40.0	ug/L		1/25/2017 21:05
1,4-Dichlorobenzene	< 40.0	ug/L		1/25/2017 21:05
1,4-dioxane	< 400	ug/L		1/25/2017 21:05
2-Butanone	< 200	ug/L		1/25/2017 21:05
2-Hexanone	< 100	ug/L		1/25/2017 21:05
4-Methyl-2-pentanone	< 100	ug/L		1/25/2017 21:05
Acetone	< 200	ug/L		1/25/2017 21:05
Benzene	**682**	ug/L		1/25/2017 21:05
Bromochloromethane	< 100	ug/L		1/25/2017 21:05
Bromodichloromethane	< 40.0	ug/L		1/25/2017 21:05
Bromoform	< 100	ug/L		1/25/2017 21:05
Bromomethane	< 40.0	ug/L		1/25/2017 21:05
Carbon disulfide	< 40.0	ug/L		1/25/2017 21:05
Carbon Tetrachloride	< 40.0	ug/L		1/25/2017 21:05
Chlorobenzene	< 40.0	ug/L		1/25/2017 21:05
Chloroethane	< 40.0	ug/L		1/25/2017 21:05
Chloroform	< 40.0	ug/L		1/25/2017 21:05

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-5-012017
Lab Sample ID: 170250-03 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Chloromethane	< 40.0	ug/L	1/25/2017	21:05
cis-1,2-Dichloroethene	< 40.0	ug/L	1/25/2017	21:05
cis-1,3-Dichloropropene	< 40.0	ug/L	1/25/2017	21:05
Cyclohexane	**257**	ug/L	1/25/2017	21:05
Dibromochloromethane	< 40.0	ug/L	1/25/2017	21:05
Dichlorodifluoromethane	< 40.0	ug/L	1/25/2017	21:05
Ethylbenzene	**2070**	ug/L	1/25/2017	21:05
Freon 113	< 40.0	ug/L	1/25/2017	21:05
Isopropylbenzene	< 40.0	ug/L	1/25/2017	21:05
m,p-Xylene	**3310**	ug/L	1/25/2017	21:05
Methyl acetate	< 40.0	ug/L	1/25/2017	21:05
Methyl tert-butyl Ether	< 40.0	ug/L	1/25/2017	21:05
Methylcyclohexane	**92.8**	ug/L	1/25/2017	21:05
Methylene chloride	< 100	ug/L	1/25/2017	21:05
o-Xylene	**84.7**	ug/L	1/25/2017	21:05
Styrene	< 100	ug/L	1/25/2017	21:05
Tetrachloroethene	< 40.0	ug/L	1/25/2017	21:05
Toluene	**86.6**	ug/L	1/25/2017	21:05
trans-1,2-Dichloroethene	< 40.0	ug/L	1/25/2017	21:05
trans-1,3-Dichloropropene	< 40.0	ug/L	1/25/2017	21:05
Trichloroethene	< 40.0	ug/L	1/25/2017	21:05
Trichlorofluoromethane	< 40.0	ug/L	1/25/2017	21:05
Vinyl chloride	< 40.0	ug/L	1/25/2017	21:05

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**94.4**	81.2 - 120		1/25/2017	21:05
4-Bromofluorobenzene	**94.8**	82.4 - 112		1/25/2017	21:05
Pentafluorobenzene	**102**	90.2 - 112		1/25/2017	21:05
Toluene-D8	**102**	89.9 - 109		1/25/2017	21:05

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38711.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-3-012017
Lab Sample ID: 170250-04 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 20.0	ug/L		1/25/2017 16:04
1,1,2,2-Tetrachloroethane	< 20.0	ug/L		1/25/2017 16:04
1,1,2-Trichloroethane	< 20.0	ug/L		1/25/2017 16:04
1,1-Dichloroethane	< 20.0	ug/L		1/25/2017 16:04
1,1-Dichloroethene	< 20.0	ug/L		1/25/2017 16:04
1,2,3-Trichlorobenzene	< 50.0	ug/L		1/25/2017 16:04
1,2,4-Trichlorobenzene	< 50.0	ug/L		1/25/2017 16:04
1,2-Dibromo-3-Chloropropane	< 100	ug/L		1/25/2017 16:04
1,2-Dibromoethane	< 20.0	ug/L		1/25/2017 16:04
1,2-Dichlorobenzene	< 20.0	ug/L		1/25/2017 16:04
1,2-Dichloroethane	< 20.0	ug/L		1/25/2017 16:04
1,2-Dichloropropane	< 20.0	ug/L		1/25/2017 16:04
1,3-Dichlorobenzene	< 20.0	ug/L		1/25/2017 16:04
1,4-Dichlorobenzene	< 20.0	ug/L		1/25/2017 16:04
1,4-dioxane	< 200	ug/L		1/25/2017 16:04
2-Butanone	< 100	ug/L		1/25/2017 16:04
2-Hexanone	< 50.0	ug/L		1/25/2017 16:04
4-Methyl-2-pentanone	< 50.0	ug/L		1/25/2017 16:04
Acetone	< 100	ug/L		1/25/2017 16:04
Benzene	**363**	ug/L		1/25/2017 16:04
Bromochloromethane	< 50.0	ug/L		1/25/2017 16:04
Bromodichloromethane	< 20.0	ug/L		1/25/2017 16:04
Bromoform	< 50.0	ug/L		1/25/2017 16:04
Bromomethane	< 20.0	ug/L		1/25/2017 16:04
Carbon disulfide	< 20.0	ug/L		1/25/2017 16:04
Carbon Tetrachloride	< 20.0	ug/L		1/25/2017 16:04
Chlorobenzene	< 20.0	ug/L		1/25/2017 16:04
Chloroethane	< 20.0	ug/L		1/25/2017 16:04
Chloroform	< 20.0	ug/L		1/25/2017 16:04

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: BCP-MW-3-012017
Lab Sample ID: 170250-04 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Chloromethane	**26.6**	ug/L	1/25/2017	16:04
cis-1,2-Dichloroethene	< 20.0	ug/L	1/25/2017	16:04
cis-1,3-Dichloropropene	< 20.0	ug/L	1/25/2017	16:04
Cyclohexane	< 100	ug/L	1/25/2017	16:04
Dibromochloromethane	< 20.0	ug/L	1/25/2017	16:04
Dichlorodifluoromethane	< 20.0	ug/L	1/25/2017	16:04
Ethylbenzene	**517**	ug/L	1/25/2017	16:04
Freon 113	< 20.0	ug/L	1/25/2017	16:04
Isopropylbenzene	< 20.0	ug/L	1/25/2017	16:04
m,p-Xylene	**924**	ug/L	1/25/2017	16:04
Methyl acetate	< 20.0	ug/L	1/25/2017	16:04
Methyl tert-butyl Ether	< 20.0	ug/L	1/25/2017	16:04
Methylcyclohexane	< 20.0	ug/L	1/25/2017	16:04
Methylene chloride	< 50.0	ug/L	1/25/2017	16:04
o-Xylene	**25.0**	ug/L	1/25/2017	16:04
Styrene	< 50.0	ug/L	1/25/2017	16:04
Tetrachloroethene	< 20.0	ug/L	1/25/2017	16:04
Toluene	**38.4**	ug/L	1/25/2017	16:04
trans-1,2-Dichloroethene	< 20.0	ug/L	1/25/2017	16:04
trans-1,3-Dichloropropene	< 20.0	ug/L	1/25/2017	16:04
Trichloroethene	< 20.0	ug/L	1/25/2017	16:04
Trichlorofluoromethane	< 20.0	ug/L	1/25/2017	16:04
Vinyl chloride	< 20.0	ug/L	1/25/2017	16:04

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**91.0**	81.2 - 120		1/25/2017	16:04
4-Bromofluorobenzene	**97.2**	82.4 - 112		1/25/2017	16:04
Pentafluorobenzene	**97.8**	90.2 - 112		1/25/2017	16:04
Toluene-D8	**95.3**	89.9 - 109		1/25/2017	16:04

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38698.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: DS-012017
Lab Sample ID: 170250-05 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		1/25/2017 16:28
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		1/25/2017 16:28
1,1,2-Trichloroethane	< 2.00	ug/L		1/25/2017 16:28
1,1-Dichloroethane	< 2.00	ug/L		1/25/2017 16:28
1,1-Dichloroethene	< 2.00	ug/L		1/25/2017 16:28
1,2,3-Trichlorobenzene	< 5.00	ug/L		1/25/2017 16:28
1,2,4-Trichlorobenzene	< 5.00	ug/L		1/25/2017 16:28
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		1/25/2017 16:28
1,2-Dibromoethane	< 2.00	ug/L		1/25/2017 16:28
1,2-Dichlorobenzene	< 2.00	ug/L		1/25/2017 16:28
1,2-Dichloroethane	< 2.00	ug/L		1/25/2017 16:28
1,2-Dichloropropane	< 2.00	ug/L		1/25/2017 16:28
1,3-Dichlorobenzene	< 2.00	ug/L		1/25/2017 16:28
1,4-Dichlorobenzene	< 2.00	ug/L		1/25/2017 16:28
1,4-dioxane	< 20.0	ug/L		1/25/2017 16:28
2-Butanone	< 10.0	ug/L		1/25/2017 16:28
2-Hexanone	< 5.00	ug/L		1/25/2017 16:28
4-Methyl-2-pentanone	< 5.00	ug/L		1/25/2017 16:28
Acetone	< 10.0	ug/L		1/25/2017 16:28
Benzene	< 1.00	ug/L		1/25/2017 16:28
Bromochloromethane	< 5.00	ug/L		1/25/2017 16:28
Bromodichloromethane	< 2.00	ug/L		1/25/2017 16:28
Bromoform	< 5.00	ug/L		1/25/2017 16:28
Bromomethane	< 2.00	ug/L		1/25/2017 16:28
Carbon disulfide	< 2.00	ug/L		1/25/2017 16:28
Carbon Tetrachloride	< 2.00	ug/L		1/25/2017 16:28
Chlorobenzene	< 2.00	ug/L		1/25/2017 16:28
Chloroethane	< 2.00	ug/L		1/25/2017 16:28
Chloroform	< 2.00	ug/L		1/25/2017 16:28

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170250

Client: **C&S Companies**

Project Reference: Conventus

Sample Identifier: DS-012017
Lab Sample ID: 170250-05 **Date Sampled:** 1/20/2017
Matrix: Groundwater **Date Received:** 1/23/2017

Chloromethane	**52.5**	ug/L	1/25/2017	16:28
cis-1,2-Dichloroethene	< 2.00	ug/L	1/25/2017	16:28
cis-1,3-Dichloropropene	< 2.00	ug/L	1/25/2017	16:28
Cyclohexane	< 10.0	ug/L	1/25/2017	16:28
Dibromochloromethane	< 2.00	ug/L	1/25/2017	16:28
Dichlorodifluoromethane	< 2.00	ug/L	1/25/2017	16:28
Ethylbenzene	< 2.00	ug/L	1/25/2017	16:28
Freon 113	< 2.00	ug/L	1/25/2017	16:28
Isopropylbenzene	< 2.00	ug/L	1/25/2017	16:28
m,p-Xylene	< 2.00	ug/L	1/25/2017	16:28
Methyl acetate	**2.63**	ug/L	1/25/2017	16:28
Methyl tert-butyl Ether	< 2.00	ug/L	1/25/2017	16:28
Methylcyclohexane	< 2.00	ug/L	1/25/2017	16:28
Methylene chloride	< 5.00	ug/L	1/25/2017	16:28
o-Xylene	< 2.00	ug/L	1/25/2017	16:28
Styrene	< 5.00	ug/L	1/25/2017	16:28
Tetrachloroethene	< 2.00	ug/L	1/25/2017	16:28
Toluene	< 2.00	ug/L	1/25/2017	16:28
trans-1,2-Dichloroethene	< 2.00	ug/L	1/25/2017	16:28
trans-1,3-Dichloropropene	< 2.00	ug/L	1/25/2017	16:28
Trichloroethene	< 2.00	ug/L	1/25/2017	16:28
Trichlorofluoromethane	< 2.00	ug/L	1/25/2017	16:28
Vinyl chloride	< 2.00	ug/L	1/25/2017	16:28

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	81.2 - 120		1/25/2017	16:28
4-Bromofluorobenzene	**94.8**	82.4 - 112		1/25/2017	16:28
Pentafluorobenzene	**97.3**	90.2 - 112		1/25/2017	16:28
Toluene-D8	**97.6**	89.9 - 109		1/25/2017	16:28

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38699.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

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC

REPORT TO:		INVOICE TO:		
CLIENT:	C&S Engineers, Inc	CLIENT:	Same	LAB PROJECT ID: 170250
ADDRESS:	141 Elm St.	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	WA - Water	DW - Drinking Water	SO - Soil	SD - Solid	WP - Wipe	OL - Oil
NQ - Non-Aqueous Liquid	WG - Groundwater	WW - Wastewater	SL - Sludge	PT - Paint	CK - Caulk	AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOC									REMARKS	PARADIGM LAB SAMPLE NUMBER
1/20/17	9:45		X	BCP-MW-6-012017	WG	2	X										01
	10:00		X	BCP-MW-4-012017	WG	2	X										02
	12:30		X	BCP-MW-5-012017	WG	2	X										03
	2:00		X	BCP-MW-3-012017	WG	2	X										04
	2:30		X	DS-012017	WG	2	X										05

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required	X	None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	X
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 1/20/17 5:00
Sampled By Date/Time

Relinquished By Date/Time 1/20/17 3:48 pm

James Steiner 1/20/17 3:48PM
Received By Date/Time

Received @ Lab By Date/Time 1/23/17 1416

4°C rec'd 1/23/17 13:40

Total Cost:

P.I.F.

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

See additional page for sample conditions.

Chain of Custody Supplement

Client: C&S Companies **Completed by:** Molly Vail

Lab Project ID: 170250 **Date:** 1/23/2017

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		x
Comments	4C iced 1/23/17 13:40		
Sufficient Sample Quantity	x		
Comments			

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: (1001) 979 Main Street Zip Code: 14203
City/Town: Buffalo
County: Erie
Site Acreage: 1.7

Reporting Period: December 23, 2014 to March 24, 2016

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

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

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

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

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

SITE NO. C915260

Box 3

Description of Institutional Controls

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

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

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

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

Box 4

Description of Engineering Controls

Parcel	Engineering Control
100.79-1-1.1	Groundwater Treatment System

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

100.79-1-2.11	Groundwater Treatment System

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

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

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

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

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

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

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

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

YES	NO
☒	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C915260

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I DANIEL R. RIKER (print name) at C&S Engineers, Inc. 141 Elm Street Buffalo, NY 14203 (print business address)

am certifying as Kaleida Properties, Inc., Kaleida Health and Conventus Partners, LLC (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

4/25/17
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 Tim Hughes (print name) at C&S Engineers, Inc. 141 Elm Street Buffalo, NY 14203. (print business address)

am certifying as a Professional Engineer for the Kaleida Properties Inc., Kaleida Health and Conventus Partners, LLC (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)

4/25/17

Date

APPENDIX C
WASTE WATER DISCHARGE PERMIT

Permit No.: 16-11-TP235

EPA CATEGORY 40 CFR 403
Expiration Date: November 2, 2017
Date Paid: November 3, 2016

BUFFALO SEWER AUTHORITY

TEMPORARY DISCHARGE PERMIT

Permittee: Ciminelli Real Estate Corporation

Location Address: 350 Essjay Road, Williamsville, New York 14221

The above named Permittee is hereby approved to discharge **treated groundwater** to the BSA Wastewater Treatment Plant only, from:

Conventus
1001 Main Street, Buffalo, New York 14203

to the Buffalo Sewer Authority facilities in accordance with the Buffalo Sewer Authority Regulations, Article VI, Section 14, and subject to the following conditions:

ARTICLE 1 CONDITIONS OF ACCEPTANCE

The discharge of the approved waste by the Permittee shall be subject to the following conditions:

a. Times, Location & Rate

The following location is designated for discharge during the hours listed and subject to the limit for rate of discharge specified:

Location: **Conventus**
1001 Main Street, Buffalo, New York 14203

Time Discharge is Permitted: **8:00 am to 5:00 pm**

Limit on Rate of Discharge: **60 gallons per minute,** Buffalo Sewer Authority Wastewater Treatment Plant only, **dry weather only**

b. Operations

The Permittee shall maintain cleanliness, minimize odors, ensure necessary sediment control measures are in place and maintained and protect the Buffalo Sewer Authority facilities during the permittee's operations. The Permittee shall not permit any condition to arise which may pose a threat to public health or safety.

c. Samples and Analyses

The Buffalo Sewer Authority may from time to time, require the Permittee to sample and analyze its waste discharges. Such sampling and analyses shall be performed and results submitted by a New York State Dept. of Health certified laboratory. The analyses required shall be as specified by the Buffalo Sewer Authority, which also reserves the right, at its convenience, to sample wastes discharged by the Permittee.

d. Refusal to Discharge

The Buffalo Sewer Authority may refuse the Permittee permission to discharge wastes at any time and for any reason whatsoever, for the protection of sewer facilities against damage or flooding; to assure the proper operation and maintenance of said facilities; or to protect public health, safety or welfare.

e. Local Limits

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

ARTICLE 2 REGULATIONS

The Permittee must conform to all Buffalo Sewer Authority regulations and appropriate Federal, State and County Statutes, rules, mandates, directives, and orders concerning the collection, transportation, treatment and disposal of wastewaters.

ARTICLE 3 INSURANCE AND INDEMNIFICATION

The Permittee, agrees to indemnify and hold harmless the Buffalo Sewer Authority and its agents and employees against any and all claims resulting from work performed under this permit. The permittee shall be solely responsible for any and all injury or damage to its employees or property arising from use of Buffalo Sewer Authority facilities under this permit.

In the event of any alteration, non-renewal or cancellation of these policies, at least (45) forty-five days advance notice shall be given to the Industrial Waste Section, Bird Island Treatment Plant, 90 West Ferry Street, Buffalo, New York 14213 - before such change shall be effective.

ARTICLE 4 TERMINATION FOR VIOLATION OF AGREEMENT

In the event of a violation of any of the terms and conditions of this permit by the Permittee or upon the failure to pay the charges herein specified, the Buffalo Sewer Authority shall terminate the permit by service of notice of termination by registered mail at the Permittee's office address as set forth above.

ARTICLE 5 PERMITTEE APPROVAL

Official: Denise M. Juron-Borgese
Print Name

Title: Vice President of Development, CREC
Print

Signature: Denise M. Juron-Borgese

Date: 11.04.2016

ARTICLE 6 BUFFALO SEWER AUTHORITY APPROVAL

Approved as to Content:

Signature: Lolu Sedita
Industrial Waste Administrator

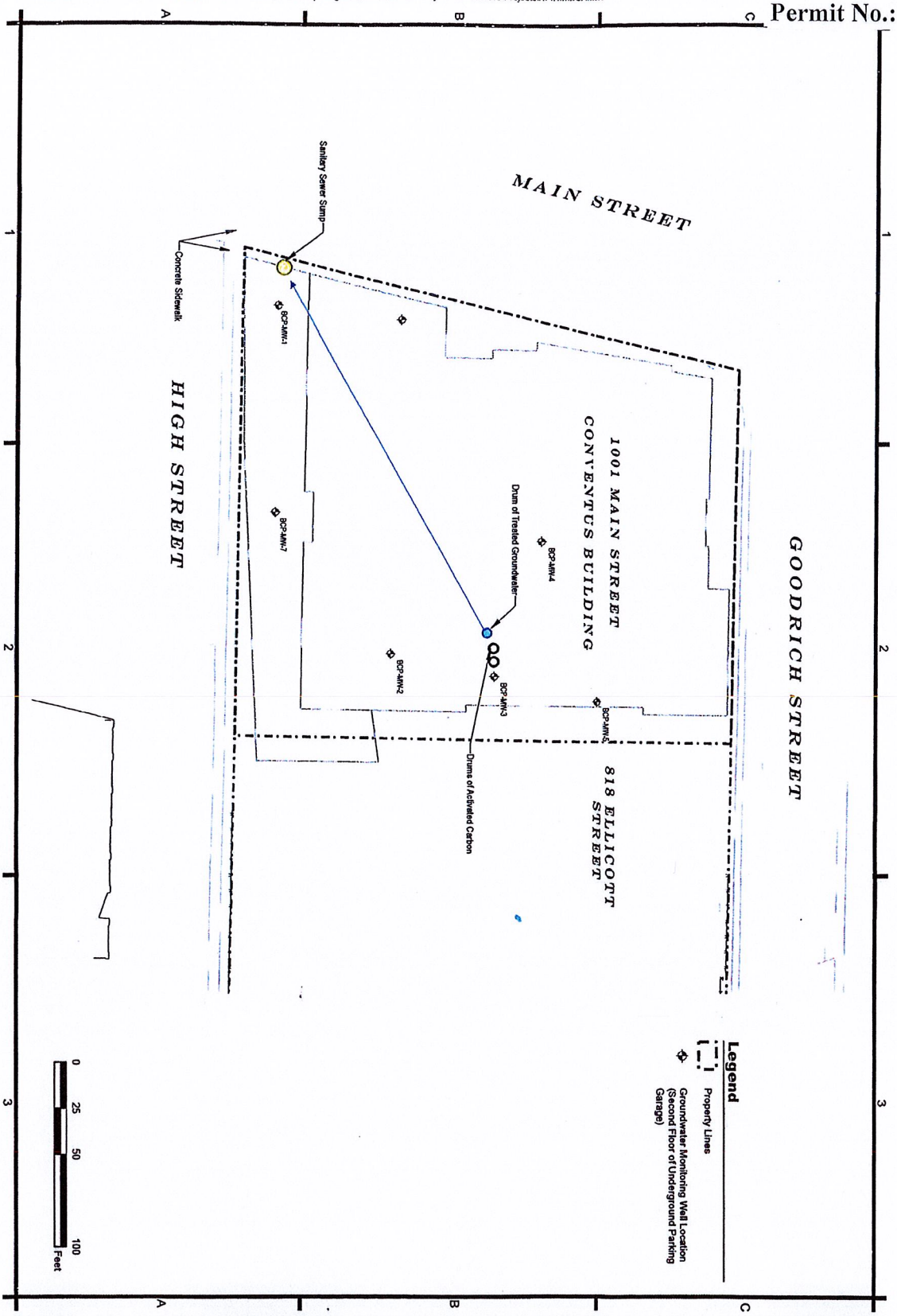
Date: 11/09/2016

Effective this 9th day of NOVEMBER, 2016

General Manager
Buffalo Sewer Authority

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

Permit No.: 16-11-TP235



C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1820
Fax: 716-847-1454
www.cscos.com

N

CONVENTUS BUILDING
979 MAIN ST (1001 MAIN ST)

BUFFALO, NEW YORK

REVISIONS		
MARK	DATE	DESCRIPTION

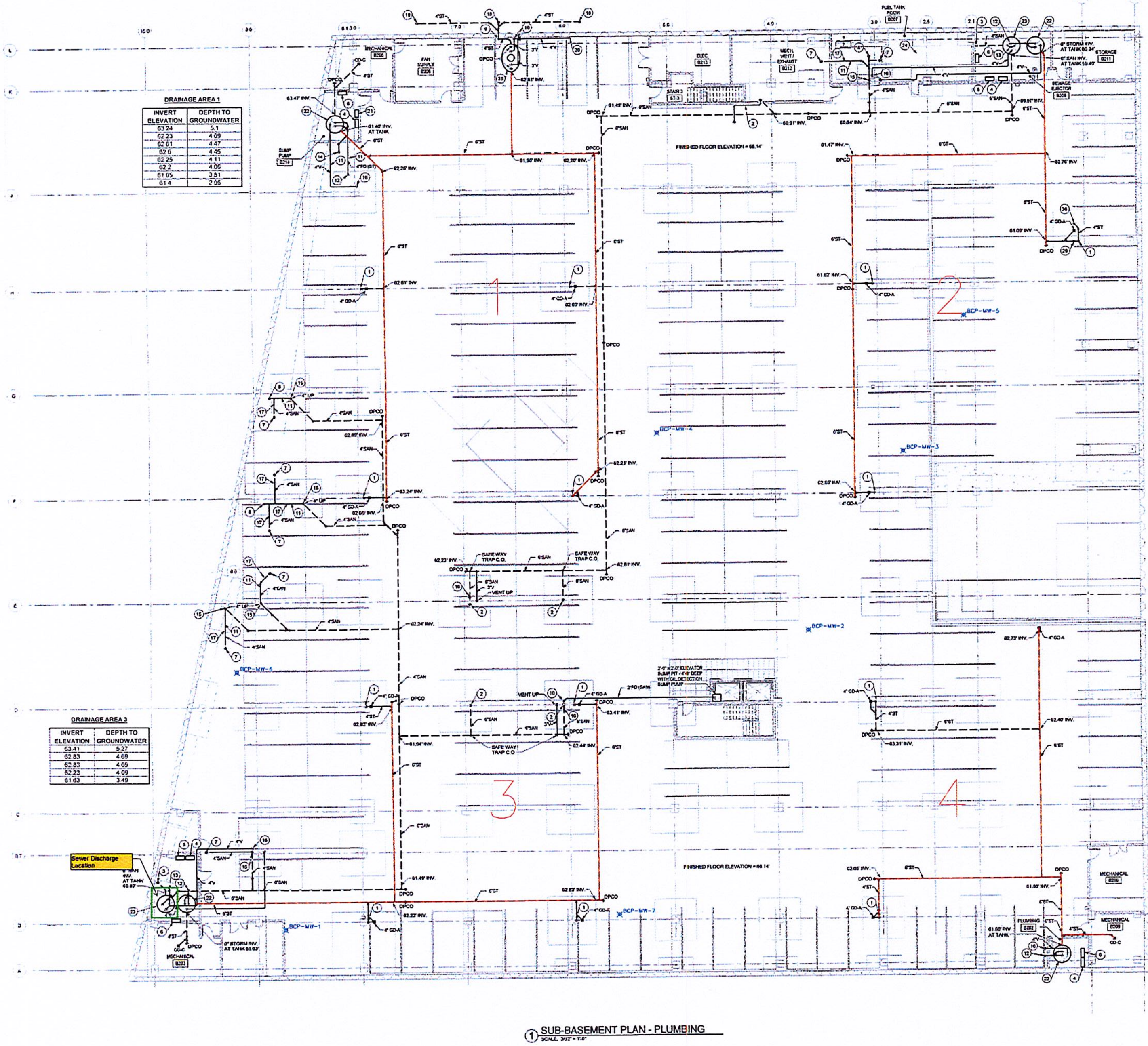
PROJECT NO. K11.002.001
DATE OCTOBER 13, 2014
DRAWN BY C. MARTIN
DESIGNED BY C. MARTIN
CHECKED BY M. COLMERAUER

IT IS A VIOLATION FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SITE MAP

FIGURE 1

Permit No.: 16-11-TP235



① SUB-BASEMENT PLAN - PLUMBING
SCALE: 3/32" = 1'-0"

DRAINAGE AREA 1

INVERT ELEVATION	DEPTH TO GROUNDWATER
63.24	5.1
62.23	4.09
62.61	4.47
62.6	4.45
62.25	4.11
62.2	4.06
61.95	3.81
61.4	2.05

DRAINAGE AREA 3

INVERT ELEVATION	DEPTH TO GROUNDWATER
63.41	5.27
62.83	4.69
62.83	4.69
62.23	4.09
61.63	3.49

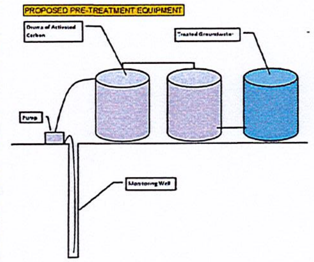
DRAWING NOTES:

1. 4" STORM FROM GARAGE DRAIN GD-A ABOVE AND DOWN TO BELOW SLAB WITH CLEANOUT AT BASE.
2. 4" ELEVATOR PIT DRAIN FROM ABOVE TO 6" SAFE WASTE WITH P-TRAP.
3. 6" SAFE WASTE WITH P-TRAP.
4. DUPLEX SUMP PUMP CONTROL PANEL.
5. DUPLEX SEWAGE EJECTOR CONTROL PANEL.
6. HEAT TRACE CONTROL PANEL.
7. 4" SANITARY WITH P-TRAP FROM FLOOR DRAIN ABOVE.
8. 4" UP TO DPCO ABOVE.
9. 4" STORM FROM ELECTRICAL VAULTS DOWN TO BELOW FLOOR SLAB WITH CLEANOUT AT BASE.
10. 2" PUMP DISCHARGE FROM HYDRAULIC ELEVATOR SUMP PUMP TO 6" SAFE WASTE WITH P-TRAP.
11. PROVIDE INSULATION AND HEAT TRACING ON ALL HORIZONTAL SANITARY STORM AND PUMP DISCHARGE PIPING EXPOSED IN UNHEATED PARKING GARAGE AREAS.
12. 4" PUMP DISCHARGE FROM SUMP PUMP UP TO LEVEL ABOVE.
13. 2" PUMP DISCHARGE FROM SEWAGE EJECTOR UP TO LEVEL ABOVE.
14. 4" STORM FROM AREA DRAIN GD-C ABOVE.
15. 4" SANITARY PIPING DOWN TO BELOW SLAB, 3" VENT PIPING UP.
16. 3" VENT PIPING UP.
17. COMBINATION DRAIN AND VENT PIPING LAYOUT.
18. 4" STORM FROM GARAGE DRAIN GD-C IN ELECTRICAL TRANSFORMER VAULT ABOVE. COORDINATE DRAIN LOCATION AND PIPE ROUTING WITH GROUNDING WIRE LOCATED WITHIN SLAB.
19. 3" VENT FROM BELOW SLAB OIL INTERCEPTOR.
20. 4" VENT UP.
21. OIL INTERCEPTOR ALARM PANEL.
22. 8'-0" DIAMETER DEWATERING PUMP PIT - 10'-0" DEEP WITH DUPLEX PUMPING SYSTEM. REFER TO DETAIL ON DRAWING NO. P5.00. ADDITIONAL SUMP INLET CONNECTIONS FOR GROUND WATER BY OTHERS. COORDINATE QUANTITY AND LOCATIONS OF INLETS PRIOR TO FABRICATION OF BASIN.
23. 5'-0" DIAMETER SEWAGE EJECTOR - 10'-0" DEEP WITH DUPLEX PUMPING SYSTEM. REFER TO DETAIL ON DRAWING NO. P5.00.
24. 2000 GALLON CONCRETE VAULTED DIESEL FUEL STORAGE TANK TO BE PROVIDED UNDER PHASE 2 - SHELL AND CORE.
25. 1000 GALLON OIL INTERCEPTOR WITH 600 GALLON OIL CAPACITY. REFER TO DETAIL ON DRAWING NO. P6.00.
26. 4" STORM FROM GARAGE DRAIN GD-A ABOVE.
27. 3" CONDENSATE DRAIN FROM ABOVE.
28. 4" CONDENSATE DRAIN DOWN.

DRAINAGE AREA 2

INVERT ELEVATION	DEPTH TO GROUNDWATER
62.55	4.41
61.92	3.78
61.09	2.95
61.47	3.33
60.70	2.62
60.34	2.2

PROPOSED PRE-TREATMENT EQUIPMENT



DRAINAGE AREA 4

INVERT ELEVATION	DEPTH TO GROUNDWATER
63.31	5.17
62.65	4.51
62.73	4.59
61.9	3.76
61.5	3.36

RECORD DRAWINGS
DATE: 10/28/2013
REVIEWED BY: TEF
M.K.S. PLUMBING CORP.

C&S COMPANIES
C&S Engineers, Inc
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone 716-847-1630
Fax 716-847-1454
www.cscos.com

FORMER MOBIL STATION 99-MST 979 MAIN STREET (1001 MAIN STREET) BROWNFIELD CLEANUP PROGRAM

CITY OF BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO	611.007.001
DATE	APRIL 20, 2015
DRAWN BY	C. MARTIN
DESIGNED BY	C. MARTIN
CHECKED BY	M. COLMERAUER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

SUB-BASEMENT PLUMBING

FIGURE 2