2022

Periodic Review Report

Dowcraft, South Dow Street
NYSDEC Site #907020
Falconer, Chautauqua County, New York

Prepared for:
Jamestown Container Companies
14 Deming Drive
Falconer, New York 14733

November 2022
Revision 01

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TABLES

APPENDICES

ACRONYM LIST

C&S	C&S ENGINEERS, INC.
DCE	CIS-1,2-DICHLOROETHENE
JCC	JAMESTOWN CONTAINER COMPANIES
SITE	FORMER DOWCRAFT FACILITY
FID	FLAME IONIZATION DETECTOR
TCE	TRICHLOROETHYLENE
IRM	INTERIM REMEDIAL MEASURES
MIP	MEMBRANE INTERFACE PROBE
NYSDEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ROD	RECORD OF DECISION
CRA	CONESTOGA-ROVERS & ASSOCIATES
RI	REMEDIAL INVESTIGATION
PID	PHOTO IONIZATION DETECTOR
SCO	SOIL CLEANUP OBJECTIVES

SVOC	SEMI-VOLATILE ORGANIC COMPOUNDS
VOC	VOLATILE ORGANIC COMPOUNDS
SVI	SOIL VAPOR INTRUSION
XSD	HALOGEN SPECIFIC DETECTOR

EXECUTIVE SUMMARY

C&S Engineers, Inc. (C&S) has prepared the 2022 Periodic Review Report for the former Dowcraft, South Dow Street Site (NYSDEC Site No. 907020) located at 65 South Dow Street in Falconer, New York. From 1939 to 1999, the Site manufactured steel partitions. As part of this manufacturing process, a vapor degreaser was used which included the use of chemicals such as trichloroethylene (TCE).

Previous environmental investigations have detected a TCE plume in the area of the former Dowcraft, South Dow Street Site. TCE contamination is located within two sand/gravel layers separated by a silt/clay lens. According to previous environmental reports, the area of former degreaser pit (area of groundwater monitoring wells PW-3 and PW-3R) is a likely source area for the TCE plume. The plume originates from the degreaser area and has affected groundwater in the upper and lower sand/gravel layers. The plume extends from the degreaser area to the north, under the JCC building and up to the area of the Chadakoin River. This is an area of approximately one acre. The rate of movement is approximately 2 to 3 feet per year to the north. Sampling in the River has not shown any impact to date.

The 2003 Record of Decision of the Site selected in-situ chemical dechlorination using potassium permanganate as the approved remedy. Nine in-situ treatment events occurred between May 2000 and July 2006. In 2014, C&S completed another treatment on the Site. Ten injection borings were advanced throughout the TCE plume and a potassium permanganate treatment fence was installed adjacent to the source area by PW-3R.

In June 2022, 31 injection borings were advanced and injected with combined biological enhanced reductive dechlorination and abiotic in-situ chemical reduction using zero-valent iron. Post-treatment groundwater monitoring indicates that the 2022 treatment was successful in the dechlorination of TCE. The source area was reduced to almost 100% in eight weeks and the treatment products used will remain effective over many years, we expect the source area to continue to contain low concentrations of VOCs. This will eliminate contamination loading to other areas of the Site. We expect VOC concentrations in other monitoring wells to reduce over time.

The Site is compliant with all institutional and engineering controls. The Institutional and Engineering Controls Certification form is provided in **Appendix C**.

1 SITE OVERVIEW

1.1 Site Description

The Dowcraft, South Dow Street Site is located at 65 South Dow Street in Falconer, New York and occupies approximately 2.2 acres of land situated immediately east of South Dow Street and approximately 100 feet south of the Chadakoin River (Site). The Jamestown Container manufacturing building is situated between the Site and the Chadakoin River.

1.2 Geology and Hydrogeology

Site geology consists of fill material overlying two sand/gravel layers separated by a silt/clay lens. Fill material consists of a mixed matrix of sand, cinders, silt, gavel, brick, concrete, coal, slag and metal. The fill unit ranges in thickness from 2 to over 14 feet, with an average thickness of 8 feet.

Under the fill, the upper sand/gravel layer ranges from 10 to 20 feet in thickness. Underlying the upper sand/gravel layer is a silt/clay lens that ranges from 4 to 8 feet in thickness. The lower sand/gravel layer is 10 to 18 feet thick. Underlying the lower sand layer is a second silt/clay layer that starts approximately 43 feet below ground surface (BGS). This unit is estimated to be 60 feet in thickness according to regional geology.

The average depth to groundwater is 10 feet BGS within the upper sand/gravel layer. Groundwater flow within the upper sand/gravel layer is to the north-northeast at approximately 2.7 feet per year.

1.3 Nature and Extent of Contamination

The chemicals of concern (COC) of the Site are trichloroethylene (TCE) and its daughter compounds (cis-1,2-dichloroethene –DCE - and vinyl chloride). According to previous environmental reports, the area of former degreaser pit (area of groundwater monitoring wells PW-3 and PW-3R) is a likely source area for the COC plume. The plume originates from the degreaser area and has affected groundwater in the upper and lower sand/gravel layers. The plume extends from the degreaser area to the north, under the JCC building and up to the area of the Chadakoin River. This is an area of approximately one acre. Sampling in the River has not shown any impact to date.

Total volatile organic compound (VOC) concentrations range between 2.3 to 1,375.4 ug/L. The volume of the COC plume extends from the degreaser pits to the southern façade of the JCC building (approximate area of 5,000 square feet),

then vertically down to the base of the second sand/gravel layer (43 feet BGS); a total volume of approximately 8,333 cubic yards of groundwater and subsurface soil.

Table 1 presents the 2013 baseline groundwater monitoring data. **Table 2** presents data for the pre-treatment and post-treatment groundwater monitoring events. Another groundwater monitoring event was conducted on August 2022. Sampling data will be submitted as a separate report to the NYSDEC.

1.4 Site History

The property was first developed in 1890 as a woolen mill until 1939 when it was converted into a factory which manufactured steel partitions used for offices. In 1986 the deed was transferred to the Dowcraft Corporation. Manufacturing activities continued until the facility closed in 1999. As part of this manufacturing process, a vapor degreaser was used which included the use of chemicals such as trichloroethylene (TCE). This work continued until 1999 when the facility was closed, a portion of the Site was demolished, and the property was sold to JCC.

Figure 1 presents present and historic site features.

The Dowcraft, South Dow Street Site was the subject of environmental investigations in the early 1990s, at which time contaminated groundwater was discovered on site. An interim remedial measure (IRM) was subsequently put in place in 1994 which consisted of groundwater extraction and treatment. In 2000, the use of additional groundwater remediation technologies was approved by the NYSDEC which involved in-situ chemical oxidation of TCE through the injection of potassium permanganate into the overburden groundwater. In 2003, a Record of Decision (ROD) was approved that selected the following remedy:

- In-situ groundwater treatment through chemical oxidation, by injection of potassium permanganate dissolved in water through existing well points into the shallow overburden groundwater table;
- Overburden groundwater monitoring to verify the effectiveness of the treatment;
- Institutional controls will be imposed, in such form as the NYSDEC may approve, that will prevent the use of groundwater as a source of potable or process water without necessary water quality treatment as determined by the Local Health Department; and

- Annual certification to NYSDEC to certify that institutional controls remain in place.

Conestoga-Rovers & Associates (CRA) conducted nine injection treatments between May 2000 and July 2006, totaling 21,500 pounds of potassium permanganate. These injection treatments were successful in oxidizing TCE in outer plume area; however, the concentrations of TCE in the source area remain high.

2014 and 2015 In-situ Remedial Activities

In May 2013, C&S was asked to re-evaluate the environmental conditions of the Site. On July 2013, baseline groundwater monitoring was conducted to determine the changes, if any, in TCE concentrations since 2006. Based on the findings of this work, a Corrective Measures Work Plan was submitted to the NYSDEC on May 2, 2014. C&S proposed additional in-situ chemical oxidation (ISCO) injections and the installation of a potassium permanganate treatment fence. This work was conducted on December 1 through 9, 2014.

Ten borings were each injected with approximately 33 gallons ISCO solution containing approximately 400 pounds of ISCO material. As the solution was pumped into the subsurface, the drill rods were lifted at a rate designed to inject a consistent amount of materials between 5 and 30 feet below grade. A total of 4,024.12 pounds of potassium permanganate was injected into the TCE plume.

Within the lower sand/gravel layer, the area adjacent to PW-3R contains the highest concentrations of TCE. To address these concentrations, a treatment fence was installed to reduce source loading into downgradient groundwater zones. The treatment fence consisted of 1.5 foot long tubes of paraffin wax mixed with potassium permanganate installed in selected monitoring wells and in the subsurface. A 36-foot treatment fence was installed next to the northwest corner of the building. A total of ten borings to 40 feet below grade were drilled to facilitate the installation of the treatment fence. A potassium permanganate cylinder was dropped down the drill casing. Four feet of casing was removed allowing the bore hole to collapse and another cylinder was placed in series until a total of 5 cylinders were installed (a vertical treatment thickness of approximately 7.5 feet in each boring).

2021 Pre-Treatment Investigation

Parrat-Wolff, Inc. advanced a membrane interface probe (MIP) in 10 borings to 40 feet from January 4, 2021 to January 8, 2021. The MIP is an in-situ logging tool that measures the relative concentration of volatile organic compounds with depth in soil and groundwater. The MIP probe is advanced at a rate of 1 foot per minute. The MIP probe continuously logs data from several sensors including: photo ionization detector (PID); flame ionization detector (FID); halogen specific detector (XSD) and a sensor for measuring electrical conductivity. The location of the 10 MIP borings is presented in Figure 5.

Many locations contained indications of TCE right above confining layers at about 20 – 25 feet bgs; in most instances the sensors indicated that TCE contamination diminished at approximately 30 feet bgs. The source area around PW-3R was an exception. High levels of contamination were observed around 30 feet bgs and continued past our 40 foot limit.

Four soil samples were collected from selected MIP borings to correlate the millivolt spikes to ug/kg. Samples were analyzed for VOCs only. MIHPT-1 (adjacent to the JCC Building 5) collected at 17.5 feet bgs contained TCE at 1,800 ug/kg and DCE at 1,300 ug/kg. MIHPT-3 (western edge of the plume) was collected at 22 – 26 feet and contained TCE at 2,500 ug/kg, DCE at 1,300 ug/kg and vinyl chloride at 7.6 ug/kg. MIHPT-4 (adjacent to PW-3R)was collected from 31 – 34 feet and contained TCE at 130,000 ug/kg and DCE at 4,400 ug/kg. MIHPT-9 (adjacent to ESI-6) was collected from 24 – 28 feet bgs and contained TCE at 88 ug/kg and DCE at 5,700 ug/kg. MIP data, plume model and laboratory data report is provided in Appendix F in the 2021 PRR.

2022 In-situ Treatment

On June 6 through June 14, 2022, C&S and NW Contracting implemented the remediation as described in the February 2020 Remedial Action Work Plan.

The remedial method combined biological enhanced reductive dechlorination (ERD) and abiotic in-situ chemical reduction (ISCR) using zero-valent iron. Zero valent iron and biological enhanced dichlorination.

ERD products include 3-D Microemulsion and Bio-Dechlor INOCULM Plus. 3-D Microemulsion provides a controlled release of lactic, organic and fatty acids for the steady production of hydrogen needed for anaerobic biodegradation. The self-distributing features of 3-D Microemulsion combined with its longevity (several years) allow for sufficient coverage with minimal pore volume displacement thereby minimizing application costs. The addition of Bio-Dechlor

INOCULM Plus insures that the correct anaerobic microbes are applied to the treatment area.

Micro zero-valent iron (MZVI), provides conditions for abiotic reduction via the formation of iron sulfides, oxides and hydroxides, while also maintaining strong reducing conditions in the treatment area for an extended timeframe. This will foster rapid abiotic reduction of chlorinated solvents while reducing the potential for daughter product formation.

A solution of 3-D Microemulsion, MZVI and water was directly injected into the soil in 31 borings within the source area around PW-3R. Two subsurface zones were targeted: sand zone and silt zone. The sand zone consists of sand material located below ground surface to approximately 35 feet bgs. A thick and relatively impervious clay layer separates the sand zone from the silt zone. Silt material is encountered at least 35 or more feet bgs and extends over 40 feet bgs. The volume of ISCR product slightly changes for each of these zones.

Injection points will be spaced every six feet within a row and 15 feet between each row. A 2,775 square foot area is assumed to be the extent of the source area (**Figure 5**). No soils were generated or required disposal during this work.

Storage of EDR and ISCR Chemicals

EDR and ISCR products were shipped directly to the Site and stored in conditions in accordance with the manufacturer's specifications. All EDR and ISCR product was used for this treatment.

Decontamination of equipment, storage, personal protection, and other related safety concerns was completed in accordance with the Material Safety Data Sheets and vendor recommendations.

Mixing of EDR and ISCR Chemicals

NW Contracting was retained to perform the in-situ injections. Injections were conducted on June 6 through June 14, 2022. EDR and ISCR was mixed in steel, 55-gallon drums. IBC totes of ISCR product were staged using a folk lift next to a trailer mounted mixing station. The ISCR/ECR solution was pumped from the mixing station to a truck mounted geo-probe and into the subsurface.

ERD/ISCR product and water will be mixed according to manufacturer's specifications.

Source area – Sand Zone treatment will inject the following:

- 4,000 pounds of 3-D Microemulsion
- 3,000 pounds of S-MZVI
- 32 liters of Bio-Dechlor INOCULM Plus

The treatment solution will be applied evenly in each injection point from 15 to 35 feet bgs.

Source area – Silt Zone treatment will inject the following:

- 2,000 pounds of 3-D Microemulsion
- 1,500 pounds of S-MZVI
- 9 liters of Bio-Dechlor INOCULM Plus

The treatment solution will be applied evenly in each injection point from 35 to 42 feet bgs.

EDR and ISCR Quantities

A total of 31 borings were each injected with approximately:

- 8 gallons of 3-D Microemulsion
- 3 gallons of S-MZVI
- 0.3 liters of Bio-Dechlor INOCULM Plus
- 133 gallons of water

As treatment solution was pumped into the subsurface, the drill rods were lifted at a rate designed to inject a consistent amount of materials throughout the sand and silt zones.

Daily work reports and a photographic log are provided in **Appendix E.**

2 MONITORING PLAN COMPLIANCE REPORT

The monitoring plan developed by C&S for the Site includes both chemical and hydraulic monitoring of groundwater before and after treatment semi-annually for two years. Sampling frequency was changed to annual on June 2017 just prior to the acceptance of the 2018 Operation, Monitoring and Maintenance Plan. Baseline groundwater monitoring was performed on July 2, 2013 and the chemical data is provided in **Table 1**. Pre and post groundwater monitoring results from the 2014 treatment is provided in **Table 2**. The following monitoring wells are included in the groundwater monitoring plan:

ESI - 1	ESI - 11
ESI - 2	ESI - 12
ESI - 3	ESI -13R
ESI - 6	PW - 1
ESI - 7	PW - 3R
ESI - 10	

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. Pre-treatment sampling was conducted on October 21, 22 and 29, 2014 and post-treatment sampling was conducted on:

April 21 and 22, 2015	1st Post-treatment (2014)
November 2 and 3, 2015	2nd Post-treatment (2014)
April 25 and 26, 2016	3rd Post-treatment (2014)
October 20 and 21, 2016	4th Post-treatment (2014)
June 7 and 8, 2017	5th Post-treatment (2014)
May 7 and 8, 2018	6th Post-treatment (2014) 1st Annual Sample Event under new OM&M

June 25 and 25, 2019	7th Post-treatment (2014) 2nd Annual Sample Event under new OM&M
July 15 and 16, 2020	8th Post-treatment (2014) 3rd Annual Sample Event under new OM&M
October 26 and 27, 2021	9th Post-treatment (2014) 4th Annual Sample Event under new OM&M
August 17 and 18, 2022	1th Post-treatment (2022) 5th Annual Sample Event under new OM&M

Groundwater sampling was conducted in accordance with the U.S. Environmental Protection Agency Low flow sample procedure.

3 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

Contaminant concentrations appeared to have deceased, although some increases were also observed. The table below presents a comparison of total VOC concentrations from each monitoring well and the percent change from pre-treatment and post-treatment groundwater monitoring.

CHANGE IN VOC CONCENTRATION 2014-2022

Monitoring Well	*Total VOC Concentration (ug/L)*		*Percent Change*
	Pre-Treatment October 2014	*Post-Treatment September 2022*	
PW-1	16.9	83.73	+395.4%
PW-3R	2,609.3	24.32	-99.07%
ESI-1	8.9	4.4	-50.56%
ESI-2	816.08	1,375.4	+68.54%
ESI-3	4.8	30.22	+530%
ESI-6	575.22	33.2	-94.22%
ESI-7	208.39	83.88	-59.75%
ESI-10	352.11	3.6	-98.98%
ESI-11	157	2.3	-98.54%
ESI-12	221.48	4.3	-98.10%
ESI-13R	40	15.5	-61.25%

Pre and post groundwater monitoring results from the 2022 treatment is provided in **Table 3**.

Out of eleven monitoring wells, eight wells show significant decreases, over 40%, in TCE and other chlorinated compounds from the first initial sampling event in 2014. Only three wells showed an increase in total VOC concentrations from the previous sampling event in 2021. Wells inside the JCC building (ESI-10, ESI-11 and ESI-12) showed a continuation of non-detect for TCE.

Total VOC concentrations increased in PW-1, ESI-2 and ESI-3. The reason for this condition is not clear, although a possible explanation is the injections caused the migration of contaminated groundwater towards certain monitoring wells, or the EDR and ISCR materials may have increased the mobilization of contaminants that adhered to soil particles. However, these monitoring wells have increased levels of daughter compounds of TCE, indicating that reductive de-chlorination of TCE is taking place as a result of the 2022 treatment. With the source area treated it

is expected these concentrations on the exterior of the contaminant plume will be reduced over time.

PW-3R (source area) shows a significant decrease in TCE, DCE and vinyl chloride from the October 2021 sampling event. The table below presents the VOC reductions eight weeks after treatment.

SOURCE AREA CHANGE IN VOC CONCENTRATION 2021-2022

PW-3R (Source Area)	***2021 Results (ug/L)***	***2022 Results (ug/L)***	***Percent Change***
Vinyl chloride	2200	13	-99%
1,1-Dichloroethene	5.1	Not Detected	-100%
trans-1,2-Dichloroethene	21	Not Detected	-100%
Trichloroethene	3000	Not Detected	-100%
cis-1,2-Dichloroethene	2400	2.6	-99%

Considering that the source area was reduced to almost 100% in eight weeks and the treatment products used will remain effective over many years, we expect the source area to continue to contain low concentrations of VOCs. This will eliminate contamination loading to other areas of the Site. We expect VOC concentrations in other monitoring wells to reduce over time.

Historic concentrations of TCE and its daughter compounds from October 2005 to August 2022 are presented on **Figures 2, 3, and 4**. Laboratory analytical results and Data Usability Summary Report (DUSR) are provided in **Appendix A**.

4 IC/EC PLAN COMPLIANCE REPORT

4.1 IC/EC Requirements and Compliance

As stated in the 2003 ROD, the remedial goals selected for this Site are:

- Treat the source area of groundwater contamination by oxidation dechlorination of the contaminants in place;
- Prevent exposure of human receptors to contaminated groundwater in the sand and gravel unit under Site;
- Prevent or mitigate, to the maximum extent practicable, COC migration via groundwater so that releases from the underlying sand and gravel unit to the Chadakoin River do not exceed applicable standards, criteria and guidance (SCGs);
- Prevent or mitigate, to the maximum extent practicable, the migration of contaminated groundwater to off-site areas;
- Restore on-Site groundwater in the sand and gravel unit to the maximum extent practicable which will not result in exceedances of applicable SCGs; and
- Monitor the groundwater in a manner to verify the effectiveness of the remedial actions.

4.1.1 Institutional Controls

The institutional controls for this Site are:

- Groundwater Use Restriction
- Land Use Restriction
- Monitoring Plan
- Operation and Monitoring Plan

The Site has not changed owners and the land use of the Site has not change. A signed certification that groundwater is not utilized is provided by the property owner in **Appendix B**.

4.1.2 Engineering Controls

As specified under the Engineering Control Provision, any future development on the Site will include provisions for soil gas controls, or an assessment demonstrating that such controls are not needed.

The soil vapor intrusion (SVI) work plan, submitted on February 20, 2015, targeted areas in the main JCC building and one smaller out building to determine if TCE and other chlorinated compounds in the groundwater have impacted the soil vapor and indoor air quality.

The main JCC building is a linear building that begins at South Dow Street and extends approximately 1,060 feet to the northeast. The main building consists of multiple interconnected buildings that have been added throughout its history. The main building consists of the following portions, starting from South Dow Street:

- Four-story brick building, 55 feet long by 100 feet wide;
- Two-story brick building 300, feet long by 50 feet wide;
- One-story brick building 380, feet long by 80 feet wide; and
- One-story steel building 325, feet long by 100 feet wide.

A second, one-story concrete block building (220 feet long by 50 feet wide), referred by JCC as Building #9, is south of the main building. Building #9 is used for manufacturing.

Building #9 SSD System

Two multi-suction point SSD systems were installed by Mitigation Tech using principles and equipment typically used for soil vapor intrusion mitigation in buildings in compliance with the NYSDOH document, "Guidance for Evaluation Soil Vapor Intrusion in the State of New York, October 2006."

The building was assessed by confirmatory sub-slab air communication testing at the job start to refine data obtained from the preliminary building assessment. The system, comprised of two fans, suction cavities, and other SSD system components, was constructed on March 21 through 27, 2017. Vacuum and air flow measurements were performed continuously during construction to ensure design integrity.

A total of two manometers (B9-1 and B9-2) and two test points (north end of the building) were installed for this system.

A detailed description of the SSDS components are provided in the 2018 OM&M Work Plan.

Building #5 and #6 SSD System

Mitigation Tech installed five single suction point SSD systems using principles and equipment typically used for soil vapor intrusion mitigation in buildings in compliance with the NYSDOH document, "Guidance for Evaluation Soil Vapor Intrusion in the State of New York, October 2006."

The building was assessed by extensive sub-slab air communication testing at job start to refine data obtained from the preliminary building assessment. Due to a system of sub-slab structural arches and crisscrossing grade beams, sub-slab spaces were either inaccessible or difficult to access. In the case of Building 5, extensive backfilling has occurred such that the soil is present immediately below the floor in the central and northernmost portions of the foundation. The southernmost portion is an open crawlspace with a dirt floor. Mitigation Tech determined that active ventilation of the southernmost sub-slab compartment bounded by buildings 4 and 6A would constitute a zone of defense to intercept soil vapor migrating from the south which would also create some limited depressurization north of the first grade beam. In the case of Building 6, the sub-space is in essence a crawlspace so ventilation was determined the most appropriate strategy to divert vapors from the building interior.

A total of two manometers (B5-1 and B5-2) and two test points (near crawlspace entrance and near folk lift ramp) were installed for this system.

A detailed description of the SSDS components are provided in 2018 OM&M Work Plan.

4.2 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 C**.

5 OPERATION AND MAINTENANCE PLAN COMPLIANCE

An updated Operation, Maintenance and Monitoring (OM&M) Work Plan was approved by the NYSDEC in March 2018. The updated Work Plan includes monitoring the natural attenuation of the groundwater contamination and periodic inspection of two soil vapor mitigation systems over five years. The Remedial Action Monitoring Program consists of monitoring Site groundwater on an annual basis and the performance of the SSDS on a monthly and annual basis.

5.1 Groundwater Monitoring Wells

The following maintenance items were identified:

- No maintenance items were identified at this time.

5.2 Soil Vapor Mitigation Systems

5.2.1 Monthly Monitoring

Monthly monitoring will be conducted as follows:

- Inspect fan vacuum indicator to verify that the value indicated by a mark on the gauge has not changed significantly from the position of the mark. The gauge is inspected by observing the level of colored fluid.
- Record the observed measurement for each fan vacuum indicator on form labeled "SSD System Vacuum Gauge Record". Store all forms in the facility maintenance office.
- Inspect visible components of SSD system for degraded condition.

5.2.2 Annual Inspection

Annual inspection will be conducted as follows:

- Conduct a visual inspection of the complete system (e.g., vent fans, piping, warning devices, labeling).
- Inspect all components for condition and proper operation.
- Identify and repair any leaks in accordance with Sections 4.3.1(a) and 4.3.4(a) of the NYS DOH VI Guidance (i.e., with the systems running, use

smoke sticks to check for leaks through concrete cracks, floor joints and at the suction points; any leaks will be resealed until smoke is no longer observed flowing through the opening).

- Inspect the exhaust or discharge point of each exhaust fan to verify that no air intakes have been located within 10 feet.
- Conduct pressure field extension testing to ensure that the system is maintaining a vacuum beneath the entire slab. Perform a differential pressure reading at least one vacuum test point.
- Interview appropriate building occupants seeking comments and observations regarding the operation of the system.
- Confirm that the circuit breakers controlling the circuits on which the soil vapor vent fans operate are labeled "Soil Vapor System."

5.2.2.1 SSDS Inspection

On September 21, 2022, Mitigation Tech performed a complete inspection of all system components. Mitigation Tech certifies both systems are effectively maintaining sub-slab depressurization.

Mitigation Tech's inspection reports are provided in **Appendix D**.

6 CONCLUSIONS AND RECOMMENDATIONS

Based upon the remedial activates 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.
- The groundwater flow configuration beneath the Site is stable and remains consistent with the historically identified trends. The groundwater flow is to the north and discharges into the Chadakoin River.
- Sampling suggests a high level of effectiveness of EDR/ISCR injections within the source area. The source area was reduced to almost 100% in eight weeks.
- The treatment products used will remain effective over many years, we expect the source area to continue to contain low concentrations of VOCs. This will eliminate contamination loading to other areas of the Site. We expect VOC concentrations in other monitoring wells to reduce over time.
- The SVI systems comprised of an SSD system for Building 9 and an SSD system and CVS for Buildings 5 and 6 were properly installed and verified for effectiveness.

Groundwater monitoring will continue to occur annually following the Operation, Maintenance and Monitoring (OM&M) Work Plan.

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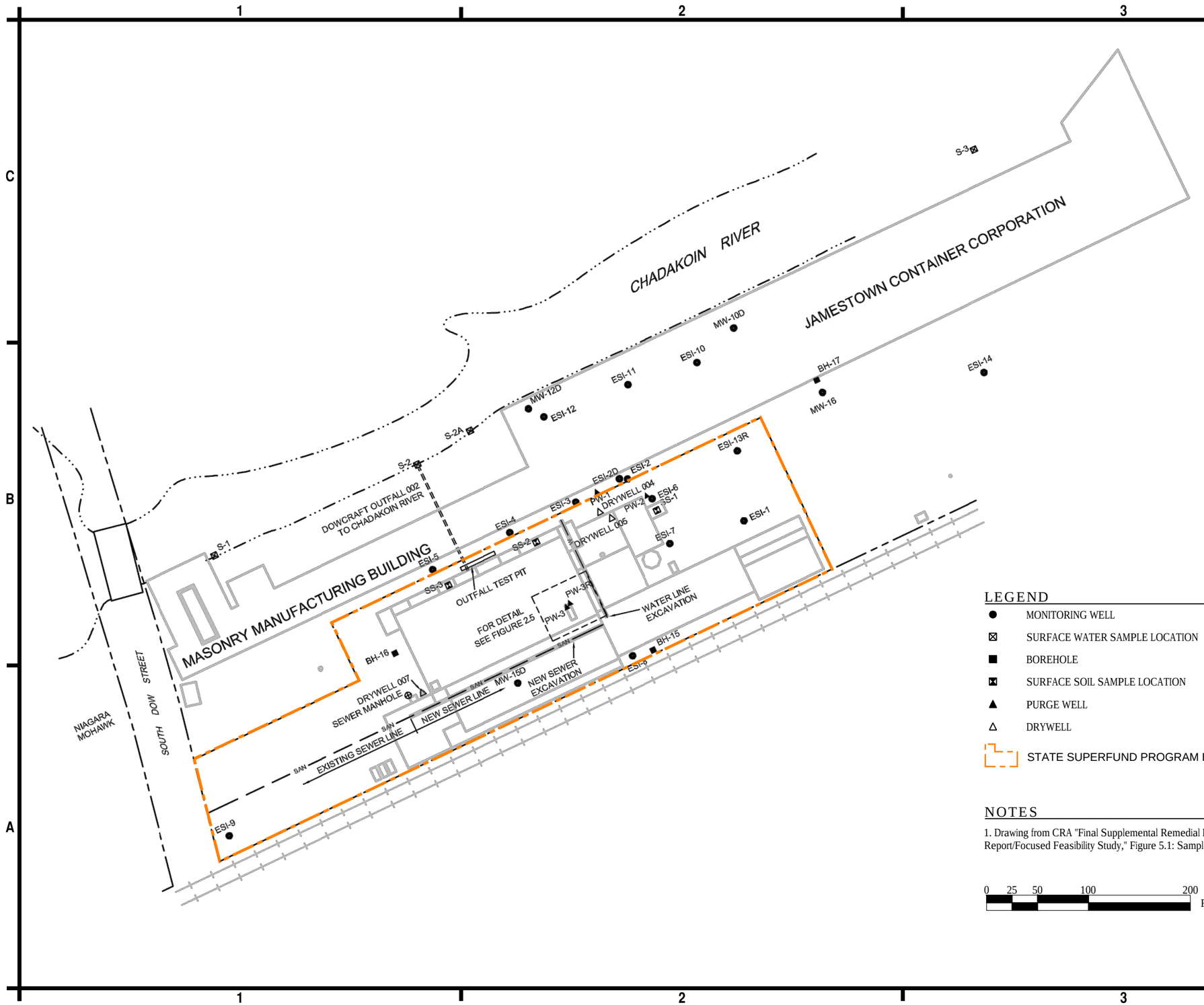
FIGURES



LEGEND

- MONITORING WELL
- SURFACE WATER SAMPLE LOCATION
- BOREHOLE
- SURFACE SOIL SAMPLE LOCATION
- PURGE WELL
- DRYWELL
- STATE SUPERFUND PROGRAM BOUNDARY

NOTES

1. Drawing from CRA "Final Supplemental Remedial Investigation Report/Focused Feasibility Study," Figure 5.1: Sample Locations, 2001.

0 25 50 100 200 FEET

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N

FORMER DOWCRAFT FACILITY
GROUNDWATER REMEDIATION
FALCONER, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	N30.001.001
DATE:	JUNE 6, 2016
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	D. RIKER

HISTORIC AND EXISTING SITE FEATURES

FIGURE 1

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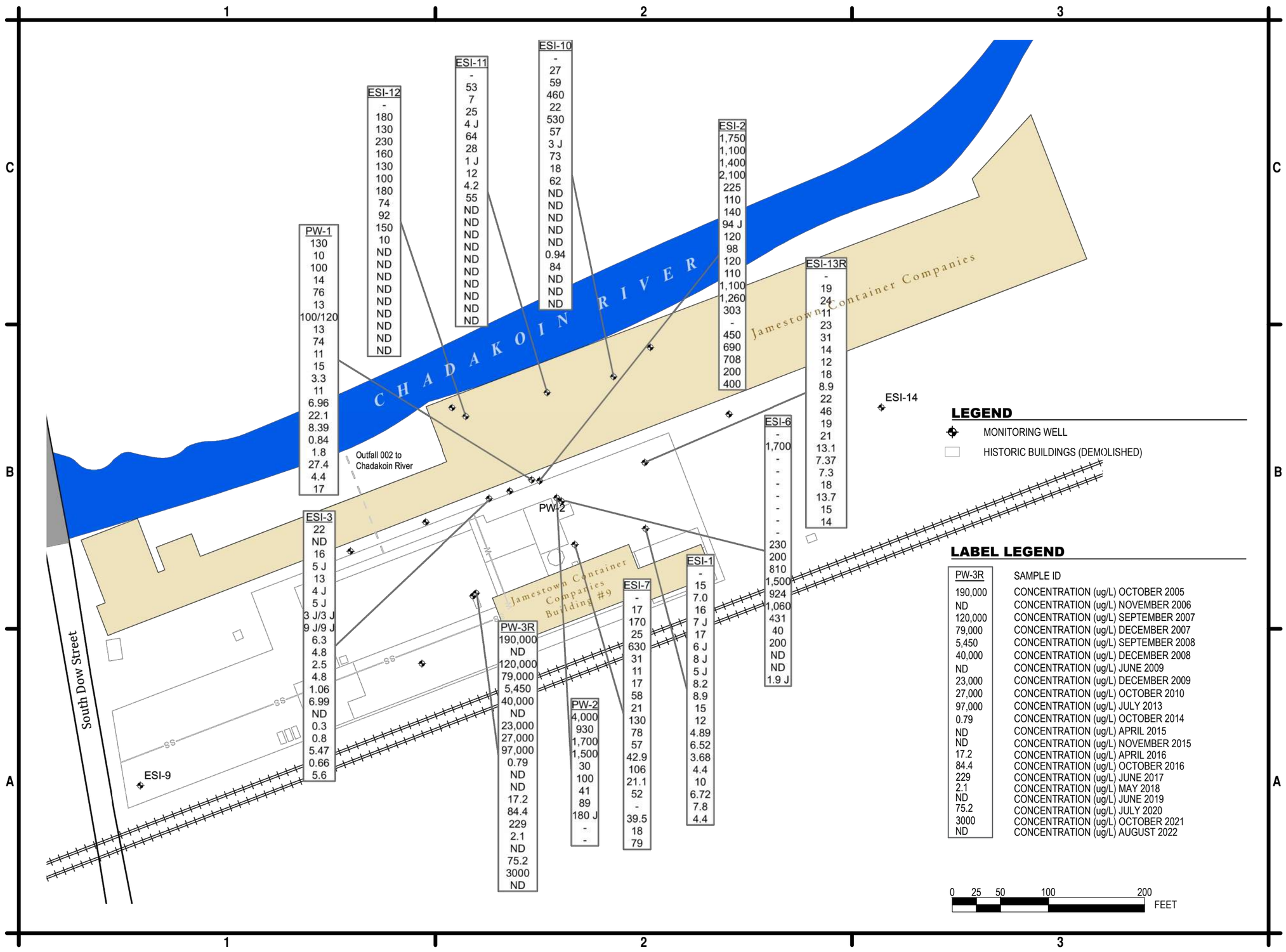

F:\Project\N30 - Jamestown Container\CADD\Sheet Files\FIGURE 2 TRICLOROETHYLENE CONCENTRATIONS.dwg

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N

FORMER DOWCRAFT FACILITY - PERIODIC REVIEW REPORT

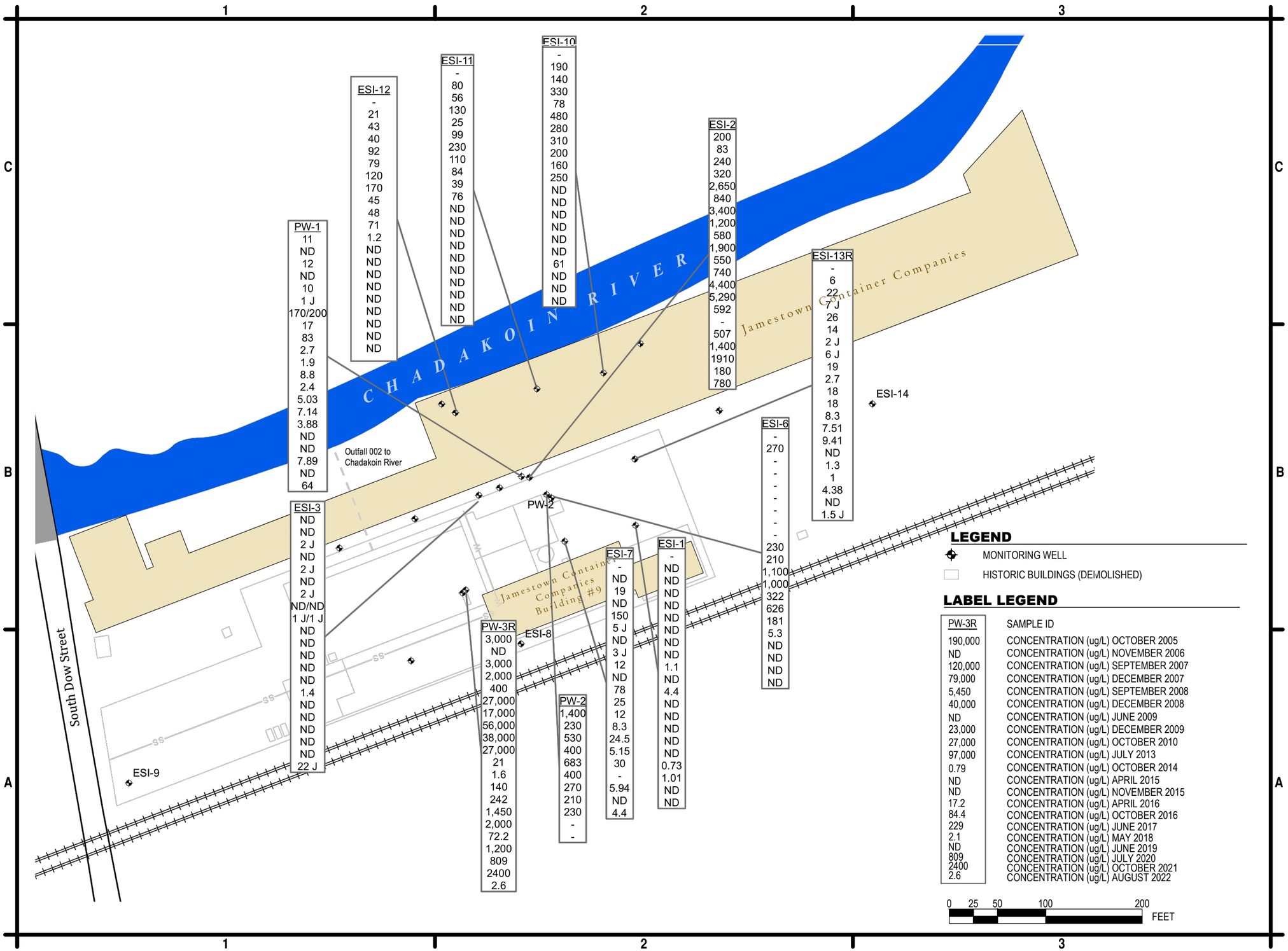
FALCONER, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	N30.001.001
DATE:	NOVEMBER 2022
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	D. RIKER

TRICHLOROETHYLENE CONCENTRATIONS

FIGURE 2



F:\Project\N30 - Jamestown Container\CADD\Sheet Files\FIGURE 3 cis-1,2-DICHLOROETHENE CONCENTRATIONS.dwg

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FORMER DOWCRAFT FACILITY - PERIODIC REVIEW REPORT

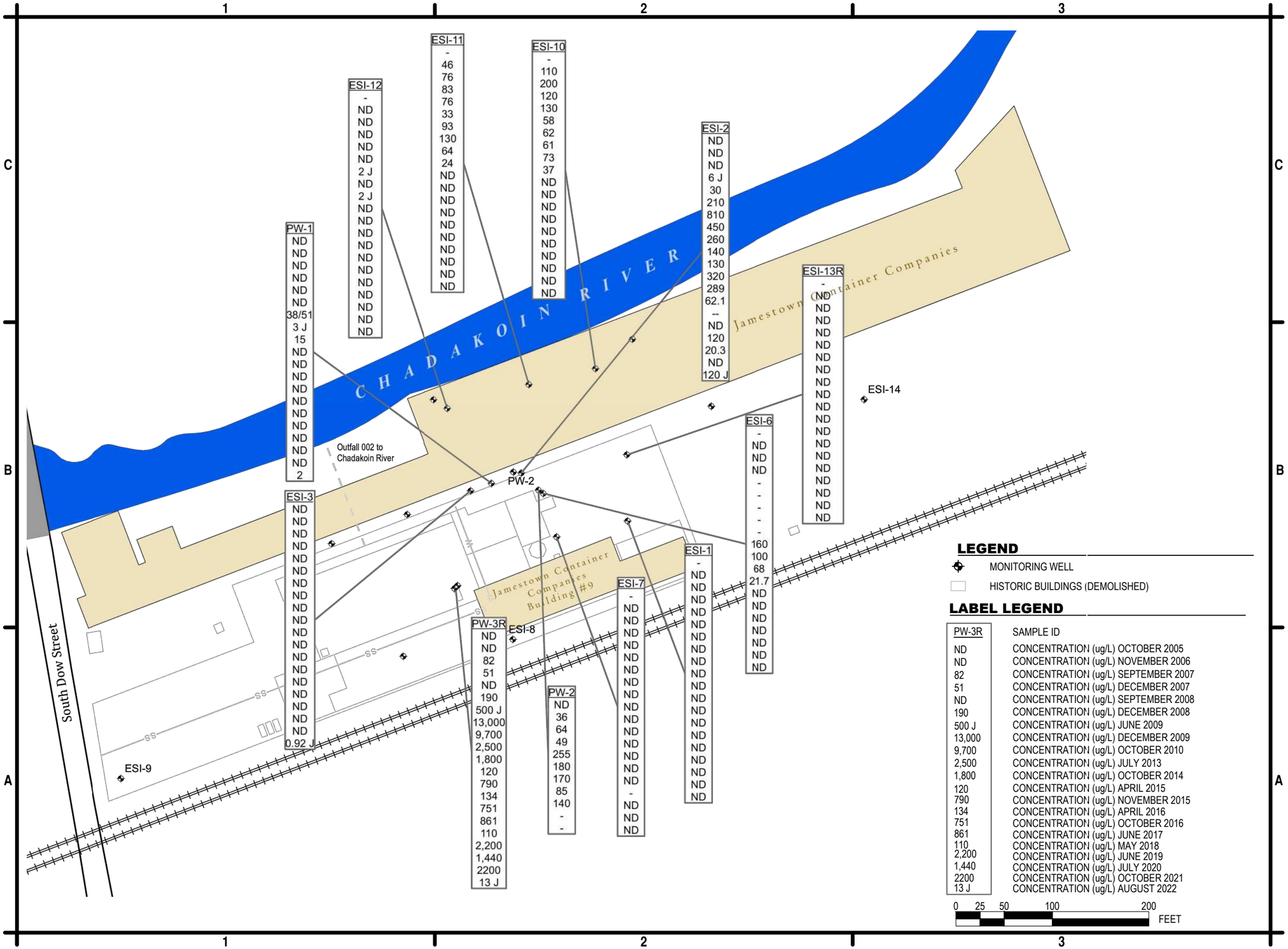
FALCONER, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	N30.001.001
DATE:	NOVEMBER 2022
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	D. RIKER

cis-1,2-DICHLOROETHENE CONCENTRATIONS

FIGURE 3



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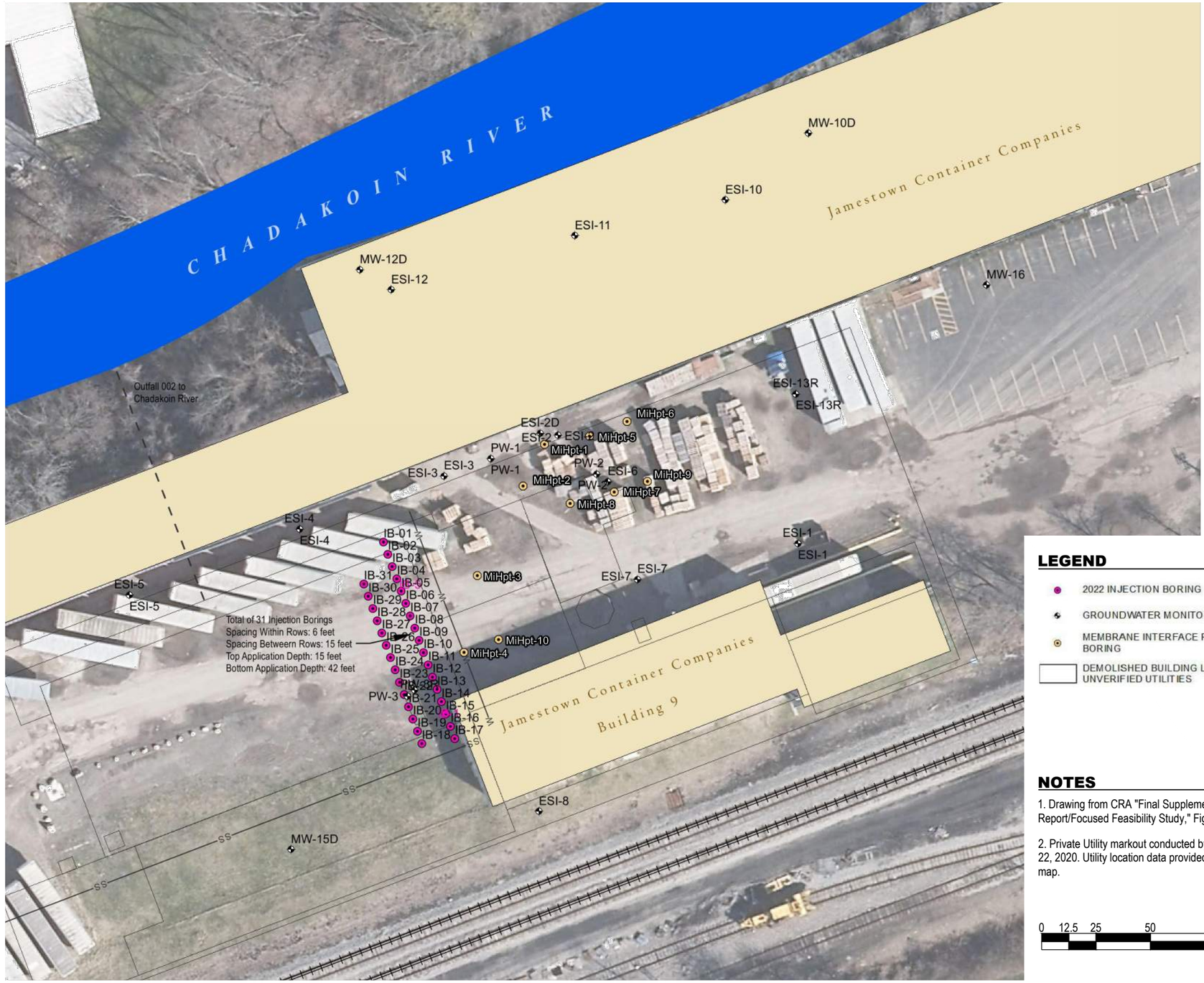
VINYL CHLORIDE CONCENTRATIONS

FIGURE 4

F:\Project\N30 - Jamestown Container\CADD\Sheet Files\FIGURE 4 VINYL CHLORIDE CONCENTRATIONS.dwg



LEGEND

- 2022 INJECTION BORING
- GROUNDWATER MONITORING WELL
- MEMBRANE INTERFACE PROBE BORING
- DEMOLISHED BUILDING LAYOUT & UNVERIFIED UTILITIES

NOTES

1. Drawing from CRA "Final Supplemental Remedial Investigation Report/Focused Feasibility Study," Figure 5.1: Sample Locations, 2001.

2. Private Utility markout conducted by Golder Associates Inc. December 22, 2020. Utility location data provided from Golder and presented on this map.

0 12.5 25 50 100 FEET

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-N-

FORMER DOWCRAFT FACILITY GROUNDWATER REMEDIATION

FALCONER, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	N30.001.001
DATE:	NOVEMBER 2022
DRAWN BY:	C. MARTIN
DESIGNED BY:	C. MARTIN
CHECKED BY:	

2022
ISCR TREATMENT

FIGURE 5

F:\Project\N30 - Jamestown Container\CADD\Sheet Files\ISCR Treatment Plan.dwg

TABLES

TABLE 1: JULY 2013 GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC CONMPOUNDS
FORMER DOWCRAFT FACILITY

Sample Location	NYSDEC Standards & Guidance Values	ESI - 1	ESI - 2	ESI - 3	ESI - 6	ESI - 7	ESI - 10	ESI - 11	ESI - 12	ESI - 13R	PW - 1	PW - 3R
Sample Date		2-Jul-13	2-Jul-13	2-Jul-13	2-Jul-13	2-Jul-13	2-Jul-13	2-Jul-13	2-Jul-13	2-Jul-13	2-Jul-13	2-Jul-13
Matrix		Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	ug/l	ug/l	ug/l
Contaminant												
Volatile Organic Compounds												
Acetone	50	<10.0	<10.0	<10.0		<10.0	<10.0	<10.0				13
Benzene	1	<0.70	<0.70	<0.70		<0.70	<0.70	<0.70				0.88 J
Carbon disulfide	N/S	<2.0	1.3	<2.0		<2.0	<2.0	<2.0				5.0
1,1-Dichloroethane	5	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0				5.5
1,2-Dichloroethane	0.6	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0				1.2
1,1-Dichloroethene	5	<2.0	2.8	<2.0	1.6	<2.0	0.34 J	<2.0				48
cis-1,2-Dichloroethene	5	1.1	1,900	<2.0	230	1.9	160	39	48	2.7	2.7	27,000 DL
trans-1,2-Dichloroethene	5	<2.0	13	<2.0	1.2	<2.0	1.6	<2.0				500 E
1,2-Dichloropropane	1	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0				2.2
Ethylbenzene	5	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0				0.77 J
Methylene Chloride	5	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0				1.3
4-Methyl-2-pentanone	N/S	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0				2.6 J
Tetrachloroethene	5	<2.0	0.55 J	<2.0	0.88 J	<2.0	<2.0	<2.0				18
1,1,2-Trichloroethane	1	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0				2.8
Trichloroethene	5	8.2	98	6.3	230	21	18	4.2	92	8.9	11	97000 DL
Toluene	5	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0				18
Vinyl chloride	2	<2.0	800	<2.0	73	<2.0	11	75				6300 DL
Xylene (total)	5	<2.0	<2.0	<2.0		<2.0	<2.0	<2.0				4.8
Total VOCs		**9.3**	**2815.65**	**6.3**	**536.68**	**22.9**	**190.94**	**118.2**	**140**	**11.6**	**13.7**	**130924**

Notes

1) Shaded areas indicate concentration exceeds NYSDEC T.O.G.S 1.1.1 Ambient Water Quality Standards

2) < = not detected - below Method Detection Limit.

3) J = The analyte was positively identified but, the number indicates an estimated value. Detected concentration is less than the contract required quanititation limit but is greater than zero.

4) N/S = No Standard

TABLE 2
2014 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

Location ID	NYSDEC Groundwater Standards & Guidance Values	ESI-1		ESI-1		ESI-1		ESI-1		ESI-1		ESI-1		ESI-1		ESI-1		ESI-1		ESI-1	
Sample Matrix		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG	
Date Sampled		12/02/2014		04/21/2015		11/03/2015		04/25/2016		10/20/2016		06/07/2017		05/07/2018		06/26/2019		07/15/2020		10/27/2021	
Units		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
1,1,1-Trichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethene	5.0 ug/l	--	U	--	U,*	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichloroethane	0.6 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,3-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,4-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Bromoform	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Dibromochloromethane	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Acetone	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**2.2**	**J**	--	U	**2.2**	**J**
Benzene	1.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Carbon Tetrachloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chlorobenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chloroform	7.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Cis-1,2-Dichloroethylene	5.0 ug/l	--	U	**4.4**		--	U	--	U	--	U	--	U	--	U	**0.73**	**J**	**1.01**	**J**	--	U
Ethylbenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Methylene Chloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Tetrachloroethylene (PCE)	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Toluene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Trans-1,2-Dichloroethene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Trichloroethylene (TCE)	5.0 ug/l	**8.9**		**15**		**12**		**4.89**		**6.52**		**3.68**		**4.4**		**10**		**6.72**		**7.8**	
Vinyl Chloride	2.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Xylenes	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
TOTAL VOCs		8.9		19.4		12		4.89		6.52		3.68		4.4		12.39		7.73		10.7	

Location ID	ESI-2		ESI-2		ESI-2		ESI-2		ESI-2		ESI-2		ESI-2		ESI-2		ESI-2		ESI-2	
Sample Matrix	WG		WG		WG		WG		WG		WG		WG		WG		WG		WG	
Date Sampled	12/02/2014		04/22/2015		11/03/2015		04/25/2016		10/21/2016		06/08/2017		05/08/2018		06/26/2019		07/15/2020		10/27/2021	
Units	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
1,1,1-Trichloroethane	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
1,1-Dichloroethane	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
1,1-Dichloroethene	**1.1**		--	U,*	**12**		--	U	--	U			--	U	**3.7**	**J**	--	U	**0.27**	**J**
1,2-Dichlorobenzene	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
1,2-Dichloroethane	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
1,3-Dichlorobenzene	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
1,4-Dichlorobenzene	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Bromoform	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Dibromochloromethane	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Acetone	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	**8.8**	
Benzene	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Carbon Tetrachloride	--	U,*	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Chlorobenzene	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Chloroform	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Cis-1,2-Dichloroethylene	**540**	**E**	**740**		**###**	**E**	**5290**		**592**				**480**		**1400**		**1910**		**180**	
Ethylbenzene	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Methylene Chloride	--	U	**7.9**	**J**	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Tetrachloroethylene (PCE)	**0.48**	**J**	--	U	--	U	--	U	--	U			--	U	--	U	--	U	**0.48**	**J**
Toluene	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
Trans-1,2-Dichloroethene	**4.5**		--	U	**19**		--	U	--	U			**27**		**18**	**J**	--	U	**5**	
Trichloroethylene (TCE)	**130**	**E**	**110**		**###**	**E**	**1260**		**303**				**450**		**690**		**708**		**190**	
Vinyl Chloride	**130**	**E**	**130**		**320**		**289**		--	U			--	U	**120**		**20.3**	**J**	--	U
Xylenes	--	U	--	U	--	U	--	U	--	U			--	U	--	U	--	U	--	U
TOTAL VOCs	816.08		988		6151		6,839		895		--		957		2,228.00		2,638.3		384.55	

WELL CAP DAMAGED. SAMPLE NOT COLLCETED.

TABLE 2
2014 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

Location ID		ESI-3		ESI-3		ESI-3		ESI-3		ESI-3		ESI-3		ESI-3		ESI-3		ESI-3		ESI-6		ESI-6		ESI-6		ESI-6		ESI-6		ESI-6		ESI-6		ESI-6		ESI-6	
Sample Matrix		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG	
Date Sampled		10/21/2014		04/22/2015		11/02/2015		04/25/2016		10/20/2016		06/07/2017		05/08/2018		06/26/2019		07/15/2020		10/26/2021		10/29/2014		04/22/2015		11/02/2015		04/25/2016		10/21/2016		06/08/2017		05/08/2018		06/26/2019		07/15/2020		10/27/2021	
Units		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 Groundwater Standards & Guidance Values																																					
1,1,1-Trichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**1.6**	U	--	U	**3.9**		--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichloroethane	0.6 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,3-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,4-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Bromoform	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**1.2**	**J**	**13.2**		**2.6**	
Dibromochloromethane	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**0.37**	**J**		
Acetone	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**3.4**	**J**	--	U	**5.5**		--	U	--	U	--	U	--	U	--	U	**2.4**	**J**	**7.7**		**15.8**		**4.7**	**J**
Benzene	1.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Carbon Tetrachloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U,*	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chlorobenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chloroform	7.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Cis-1,2-Dichloroethylene	5.0 ug/l	--	U	--	U	--	U	--	U	**1.4**	**J**	--	U	--	U	--	U	--	U	--	U	**210**	**E**	**1100**		**###**	**E**	**322**		**626**		**181**		**5.3**		**80**		--	U	--	U
Ethylbenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Methylene Chloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**10**	**J**	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Tetrachloroethylene (PCE)	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**1.1**		--	U	**5.8**		--	U	--	U	**1.4**		**1.6**		--	U	**0.86**	
Toluene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Trans-1,2-Dichloroethene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**2.2**		--	U	**4**		--	U	**11.1**	**J**	--	U	--	U	**1.2**	**J**	--	U	--	U
Trichloroethylene (TCE)	5.0 ug/l	**4.8**		**2.5**		**4.8**		**1.06**	**J**	**6.99**		--	U	**0.3**		**0.8**		**5.47**		**0.66**		**200**	**E**	**810**		**###**	**E**	**924**		**1060**		**431**		**40**		**200**	**E**	--	U	--	U
Vinyl Chloride	2.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**160**	**E**	**100**	***,^**	**68**		**21.7**		--	U	--	U	--	U	--	U	--	U	--	U
Xylenes	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
TOTAL VOCs		4.8		2.5		4.8		1.06		8.39		--		0.3		4.2		5.47		6.16		575.22		###		###		######		######		612		49.1		204		29		8.53	

TABLE 2
2014 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

Location ID		ESI-7		ESI-7		ESI-7		ESI-7		ESI-7		ESI-7		ESI-7		*ESI-4*		ESI-7		ESI-7		ESI-10		ESI-10		ESI-10		ESI-10		ESI-10		ESI-10		ESI-10		ESI-10		ESI-10		ESI-10	
Sample Matrix		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG	
Date Sampled		10/21/2014		04/21/2015		11/02/2015		04/25/2016		10/20/2016		06/08/2017		05/07/2018		06/26/2019 ug/l * Well ESI-7 was paved over, Well ESI-4 was		07/15/2020		10/26/2021		10/29/2014		04/21/2015		11/03/2015		04/26/2016		10/20/2016		06/07/2017		05/07/2018		06/25/2019		07/15/2020		10/27/2021	
Units		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 Groundwater Standards & Guidance Values																																							
1,1,1-Trichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**0.61**	**J**	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichloroethane	0.6 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,3-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,4-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Bromoform	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**3.01**		--	U	--	U	--	U	--	U	**0.76**	**J**
Dibromochloromethane	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Acetone	50.0 ug/l	--	U	--	U	--	U	--	U	**6.89**	**J**	**10.1**		--	U	--	U	--	U	**3.2**	**J**	--	U	**8.5**	**J**	**6**	**J**	**7.16**	**J**	**7.11**	**J**	--	U	--	U	**9.6**	U	**15**	U	**3.6**	**J**
Benzene	1.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Carbon Tetrachloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chlorobenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chloroform	7.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Cis-1,2-Dichloroethylene	5.0 ug/l	**78**		**25**		**12**		**8.3**		**25**		**5.15**		**30**		--	U	**5.94**		--	U	**240**	**E**	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**61**		--	U	--	U
Ethylbenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Methylene Chloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Tetrachloroethylene (PCE)	5.0 ug/l	**0.39**	**J**	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**0.22**	**J**	--	U	--	U
Toluene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Trans-1,2-Dichloroethene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**2.5**		--	U	--	U	--	U	--	U	--	U	--	U	**0.8**	**J**	--	U	--	U
Trichloroethylene (TCE)	5.0 ug/l	**150**	**E**	**78**		**57**		**43**		**106**		**21**		**52**		--	U	**39.5**		**18**		**62**		--	U	--	U	--	U	--	U	--	U	**0.94**		**84**		--	U	--	U
Vinyl Chloride	2.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**37**		--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Xylenes	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
TOTAL VOCs		208.39		103		69		51.2		137.36		36.35		82		--		45.44		21.2		352.11		8.5		6		7.16		7.11		3.01		0.94		155.62		15		4.36	

TABLE 2
2014 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

Location ID	NYSDEC Groundwater Standards & Guidance Values	ESI-11		ESI-11		ESI-11		ESI-11		ESI-11		ESI-11		ESI-11		ESI-11		ESI-11		ESI-11		ESI-12		ESI-12		ESI-12		ESI-12		ESI-12		ESI-12		ESI-12		ESI-12		ESI-12		ESI-12	
Sample Matrix		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG	
Date Sampled		10/29/2014		04/21/2015		11/03/2015		04/26/2016		10/20/2016		06/07/2017		05/07/2018		06/25/2019		07/15/2020		10/27/2021		10/22/2014		04/21/2015		11/03/2015		04/26/2016		10/21/2016		06/07/2017		05/08/2018		06/25/2019		07/15/2020		10/27/2021	
Units		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	
1,1,1-Trichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichloroethane	0.6 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,3-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,4-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Bromoform	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	**4.78**		--	U	**2.4**	U	**8.77**		**3.1**		--	U	--	U	--	U	--	U	--	U	**14.50**		--	U	**2.8**		**6.67**		**3.1**	
Dibromochloromethane	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	**1.09**		--	U	--	U	--	U	**0.38**	**J**	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**0.36**	**J**
Acetone	50.0 ug/l	--	U	**3.9**	**J**	**7**	**J**	**32.4**		--	U	--	U	**2.6**	**J**	**24**	U	**5.64**	**J**	**7**		--	U	--	U	**6**	**J**	**6**	**J**	**6**	**J**	--	U	**3**	**J**	**19**		--	U	**5.6**	
Benzene	1.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**1.19**		--	U
Carbon Tetrachloride	5.0 ug/l	--	U,*	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chlorobenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chloroform	7.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Cis-1,2-Dichloroethylene	5.0 ug/l	**76**		--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**71**		**1.2**		--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Ethylbenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	UM	--	UM	--	U	--	U	--	U
Methylene Chloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Tetrachloroethylene (PCE)	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**0.48**	**J**	**0.54**	**J**	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Toluene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	UM	--	UM	--	U	--	U	--	U
Trans-1,2-Dichloroethene	5.0 ug/l	**2**	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	UM	--	UM	--	U	--	U	--	U
Trichloroethylene (TCE)	5.0 ug/l	**55**		--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**140**	**E**	**10**		--	U	--	U	--	U	--	UM	--	UM	--	U	--	U	--	U
Vinyl Chloride	2.0 ug/l	**24**		--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	UM	--	UM	--	U	--	U	--	U
Xylenes	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
TOTAL VOCs		157		3.9		7		32.4		--		5.87		2.6		26.4		14.41		10.48		221.48		11.7		6		6		6		14.5		3		21.8		7.86		9.56	

TABLE 2
2014 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

	Location ID	ESI-13R		ESI-13R		ESI-13R		ESI-13R		ESI-13R		ESI-13R		ESI-13R		ESI-13R		ESI-13R		PW-1		PW-1		PW-1		PW-1		PW-1		PW-1		PW-1		PW-1	
	Sample Matrix	WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG	
	Date Sampled	10/21/2014		04/21/2015		11/02/2015		04/25/2016		10/20/2016		06/07/2017		05/08/2018		06/26/2019		07/15/2020		10/26/2021		10/21/2014		04/21/2015		11/02/2015		04/25/2016		10/20/2016		06/08/2017		05/08/2018		06/26/2019		07/15/2020		10/26/2021	
	Units	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 Groundwater Standards & Guidance Values																																					
1,1,1-Trichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichloroethane	0.6 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,3-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,4-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Bromoform	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Dibromochloromethane	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Acetone	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**2.4**	**J**	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	**8.09**	J	--	U	**2.8**	**J**	--	U	--	U
Benzene	1.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Carbon Tetrachloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chlorobenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chloroform	7.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Cis-1,2-Dichloroethylene	5.0 ug/l	**18**		**18**		**8.3**		**7.51**		**9.41**		--	U	**1.3**		**1**	**J**	**4.38**		--	U	**1.9**		**8.8**		**2.4**		**5.03**		**7.14**		**3.88**		--	U	--	U	**7.89**		--	U
Ethylbenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Methylene Chloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Tetrachloroethylene (PCE)	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Toluene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Trans-1,2-Dichloroethene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Trichloroethylene (TCE)	5.0 ug/l	**22**		**46**		**19**		**21**		**13**		**7.4**		**7.3**		**18**		**13.7**		**15**		**15**		**3.3**		**11**		**6.96**		**22.1**		**8.39**		**0.84**		**1.8**		**27.4**		**4.4**	
Vinyl Chloride	2.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Xylenes	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
TOTAL VOCs		40		64		27.3		28.51		28.28		7.37		8.6		21.4		18.08		15		16.9		12.1		13.4		11.99		29.24		20.36		0.84		4.6		35.29		4.4	

TABLE 2
2014 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

Location ID		PW-3R		PW-3R		PW-3R		PW-3R		PW-3R		PW-3R		PW-3R		PW-3R		PW-3R		PW-3R	
Sample Matrix		WG		WG		WG		WG		WG		WG		WG		WG		WG		WG	
Date Sampled		10/29/2014		04/22/2015		11/03/2015		04/26/2016		10/21/2016		06/08/2017		05/08/2018		06/26/2019		07/15/2020		10/26/2021	
Units		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
NYSDEC Groundwater Standards & Guidance Values																					
1,1,1-Trichloroethane	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethane	5.0 ug/l	5.1		4.0		--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,1-Dichloroethene	5.0 ug/l	--	U	--	U,*	--	U	--	U	--	U	--	U	--	U	--	U	--	U	5.1	J
1,2-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,2-Dichloroethane	0.6 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,3-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
1,4-Dichlorobenzene	3.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Bromoform	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Dibromochloromethane	50.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Acetone	50.0 ug/l	12		16		--	U	11.3	J	12.3	J	--	U	9		19	J	--	U	41	J
Benzene	1.0 ug/l	0.61	J	0.53	J	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Carbon Tetrachloride	5.0 ug/l	--	U,*	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chlorobenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Chloroform	7.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Cis-1,2-Dichloroethylene	5.0 ug/l	21		1.6		140		242		1450		1,990		70		1200		809		2400	
Ethylbenzene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Methylene Chloride	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Tetrachloroethylene	5.0 ug/l	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U	--	U
Toluene	5.0 ug/l	8.1		6.9		8.0	J	4.90		--	U	--	U	4.6		7.3	J	--	U	--	U
Trans-1,2-	5.0 ug/l	39		--	U	--	U	--	U	--	U	10.2		2.2		20	J	11.4	J	21	J
Trichloroethylene (TCE)	5.0 ug/l	0.79	J	--	U	--	U	17.2		84.4		229		--	U	--	U	75.2		3000	
Vinyl Chloride	2.0 ug/l	1800	E	120	E	790	^,F1	134		751		861		110		2200	E	1440		2200	
Xylenes	5.0 ug/l	2.3	U	1.1	J	--	U	--	U	--	U	--	U	1.1	J	--	U	--	U	--	U
TOTAL VOCs		2,609.30		147.71		938		409.4		2285.4		3,090.20		199		3,446.30		2,335.60		7,667.10	

TABLE 2
2014 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

TABLE NOTES

WG - Groundwater

ug/l - micrograms per liter

S.U. - Standard Unit

Qualifier Key

J - Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

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

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

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

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

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

A - Spectra identified as "Aldol Condensation Product".

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

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

F - Denotes a parameter for which Paradigm does not carry cerification, the results for which should therefore only be used where ELAP certification is required, such as personal exposure assessment.

RE - Analytical results are from sample re-extraction.

R - Analytical results are from sample re-analysis.

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

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

U - Not detected at the reported detection limit for the sample.

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

S - Analytical results are from modified screening analysis.

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

* - Indicates any recoveries outside associated acceptance windows. Surrogate ouliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.

< - Analyzed for but not detected at or above the quantitation limit

1 - Indicates data from primary column used for QC calculation.

TABLE 3

2022 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY

TOWN OF FALCONER, NEW YORK

			SAMPLE ID:	ESI-1-102721		ESI-1-081822		ESI-2-102721		ESI-2-081822		ESI-3-102621		ESI-3-081722		ESI-6-102721		ESI-6-081822		ESI-7-102621		ESI-7-081722		ESI-10-102721		ESI-10-081822	
			COLLECTION DATE:	10/27/2021		8/18/2022		10/27/2021		8/18/2022		10/26/2021		8/17/2022		10/27/2021		8/18/2022		10/26/2021		8/17/2022		10/27/2021		8/18/2022	
			SAMPLE MATRIX:	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY-AWQS	NY-TOGS-GA																								
	(ug/l)	(ug/l)		Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg
VOCs																										
1,1,1-Trichloroethane	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	1	1		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-Dichloroethane	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-Dichloroethene	5	5		ND		ND		0.27	J	2.4	J	ND		ND		ND		ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dibromo-3-chloropropane	0.04	0.04		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND	UJ
1,2-Dibromoethane	0.0006	0.0006		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	3	3		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichloroethane	0.6	0.6		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichloropropane	1	1		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	3		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	3		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Butanone	50	50		ND		ND	UJ	ND		10	J	ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND	
2-Hexanone	50	50		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ
4-Methyl-2-pentanone	NA	NA		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND	
Acetone	50	50		2.9	J	ND	UJ	8.8		49	J	5.5		ND	UJ	4.7	J	24	UJ	3.2	J	ND	UJ	3.6	J	3.6	UJ
Benzene	1	1		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Bromodichloromethane	50	50		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Bromoform	50	50		ND		ND		ND		ND	UJ	ND		ND		2.6		7.3	J	ND		ND		0.76	J	ND	UJ
Bromomethane	5	5		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND	
Carbon disulfide	60	60		ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND	
Carbon tetrachloride	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chlorobenzene	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chloroethane	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND	
Chloroform	7	7		ND		ND		ND		ND		ND		1.7	J	ND		ND		ND		ND		ND		ND	
Chloromethane	NA	NA		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	5		ND		ND		**180**		**780**		ND		**22**	J	ND		ND		ND		4.4		ND		ND	
cis-1,3-Dichloropropene	0.4	0.4		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Cyclohexane	NA	NA		ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND	
Dibromochloromethane	50	50		ND		ND		ND		ND		ND		ND		0.37	J	ND	UJ	ND		ND		ND		ND	
Dichlorodifluoromethane	5	5		ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND	
Ethylbenzene	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Freon-113	5	5		ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND	
Isopropylbenzene	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methyl Acetate	NA	NA		ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND	UJ
Methyl cyclohexane	NA	NA		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methyl tert butyl ether	10	10		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	
n-Butylbenzene	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Propylbenzene	5	5		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Naphthalene	10	10		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	

TABLE 3
2022 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

	SAMPLE ID:		ESI-1-102721		ESI-1-081822		ESI-2-102721		ESI-2-081822		ESI-3-102621		ESI-3-081722		ESI-6-102721		ESI-6-081822		ESI-7-102621		ESI-7-081722		ESI-10-102721		ESI-10-081822	
	COLLECTION DATE:		10/27/2021		8/18/2022		10/27/2021		8/18/2022		10/26/2021		8/17/2022		10/27/2021		8/18/2022		10/26/2021		8/17/2022		10/27/2021		8/18/2022	
	SAMPLE MATRIX:		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY-AWQS	NY-TOGS-GA																								
	(ug/l)	(ug/l)	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg
VOCs																										
o-Xylene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
p-Isopropyltoluene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
p/m-Xylene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
sec-Butylbenzene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Styrene	5	930	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tert-Butylbenzene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Tetrachloroethene	5	5	ND		ND		0.48	J	ND		ND		ND		0.86		ND		ND		0.48	J	ND		ND	
Toluene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	5	5	ND		ND		**5**		**14**		ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	0.4	0.4	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Trichloroethene	5	5	**7.8**		4.4		**200**	**E**	**400**		0.66		**5.6**		ND		1.9	J	**18**		**79**		ND		ND	
Trichlorofluoromethane	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vinyl chloride	2	2	ND		ND	UJ	ND		**120**	J	ND		0.92	J	ND		ND	UJ	ND		ND	UJ	ND		ND	
TOTAL			**10.7**		**4.4**		**394.55**		**1375.4**		**6.16**		**30.22**		**8.53**		**33.2**		**21.2**		**83.88**		**4.36**		**3.6**	

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations criteria reflects all addendum to criteria through June 2004.

TABLE 3
2022 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

			SAMPLE ID:		ESI-11-081822		ESI-12-102721		ESI-12-081822		ESI-13R-102621		ESI-13R-081722		PW-1-102621		PW-1-081822		PW-3R-102621		PW-3R-081822	
			COLLECTION DATE:	10/27/2021	8/18/2022		10/27/2021		8/18/2022		10/26/2021		8/17/2022		10/26/2021		8/17/2022		10/26/2021		8/18/2022	
			SAMPLE MATRIX:	WATER	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY-AWQS	NY-TOGS-GA																				
	(ug/l)	(ug/l)		Result	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg
VOCs																						
1,1,1-Trichloroethane	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	1	1		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-Dichloroethane	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		0.8	J
1,1-Dichloroethene	5	5		ND	ND		ND		ND		ND		ND		ND		ND		**5.1**	**J**	ND	
1,2,4-Trichlorobenzene	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dibromo-3-chloropropane	0.04	0.04		ND	ND	UJ	ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND	UJ
1,2-Dibromoethane	0.0006	0.0006		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	3	3		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichloroethane	0.6	0.6		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichloropropane	1	1		ND	ND		ND		ND		ND		ND		ND		ND		ND		0.15	J
1,3,5-Trimethylbenzene	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	3		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	3		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Butanone	50	50		ND	ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND	UJ
2-Hexanone	50	50		ND	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND	
4-Methyl-2-pentanone	NA	NA		ND	ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND	
Acetone	50	50		7	ND	UJ	5.6		2.3	UJ	ND		ND	UJ	ND		ND		41	J	4.2	UJ
Benzene	1	1		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Bromodichloromethane	50	50		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Bromoform	50	50		3.1	2.3		3.6		2		ND		ND	UJ	ND		ND		ND		ND	
Bromomethane	5	5		ND	ND	UJ	ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND	UJ
Carbon disulfide	60	60		ND	ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ
Carbon tetrachloride	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chlorobenzene	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chloroethane	5	5		ND	ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND	
Chloroform	7	7		ND	ND		ND		ND		ND		ND		ND		0.73	J	ND		ND	
Chloromethane	NA	NA		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	5		ND	ND		ND		ND		ND		1.5	J	ND		**64**		**2400**		2.6	
cis-1,3-Dichloropropene	0.4	0.4		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Cyclohexane	NA	NA		ND	ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ
Dibromochloromethane	50	50		0.38	ND		0.36	J	ND		ND		ND	UJ	ND		ND		ND		ND	
Dichlorodifluoromethane	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Ethylbenzene	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Freon-113	5	5		ND	ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ
Isopropylbenzene	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methyl Acetate	NA	NA		ND	ND		ND		ND		ND		ND	UJ	ND		ND	UJ	ND		ND	UJ
Methyl cyclohexane	NA	NA		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methyl tert butyl ether	10	10		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methylene chloride	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Butylbenzene	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
n-Propylbenzene	5	5		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Naphthalene	10	10		ND	ND		ND		ND		ND		ND		ND		ND		ND		ND	

TABLE 3
2022 PRE AND POST TREATMENT GROUNDWATER ANALYTICAL RESULTS

FORMER DOWCRAFT FACILITY
TOWN OF FALCONER, NEW YORK

		SAMPLE ID:	ESI-11-102721		ESI-11-081822		ESI-12-102721		ESI-12-081822		ESI-13R-102621		ESI-13R-081722		PW-1-102621		PW-1-081822		PW-3R-102621		PW-3R-081822	
		COLLECTION DATE:	10/27/2021		8/18/2022		10/27/2021		8/18/2022		10/26/2021		8/17/2022		10/26/2021		8/17/2022		10/26/2021		8/18/2022	
		SAMPLE MATRIX:	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY-AWQS	NY-TOGS-GA																				
	(ug/l)	(ug/l)	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg
VOCs																						
o-Xylene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
p-Isopropyltoluene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
p/m-Xylene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.87	J
sec-Butylbenzene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Styrene	5	930	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
tert-Butylbenzene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Tetrachloroethene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Toluene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		2.7	
trans-1,2-Dichloroethene	5	5	ND		ND		ND		ND		ND		ND		ND		ND		**21**	**J**	ND	
trans-1,3-Dichloropropene	0.4	0.4	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Trichloroethene	5	5	ND		ND		ND		ND		**15**		**14**		4.4		**17**		**3000**		ND	
Trichlorofluoromethane	5	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vinyl chloride	2	2	ND		ND	UJ	ND		ND	UJ	ND		ND	UJ	ND		**2**		**2200**		**13**	J
TOTAL			**10.48**		**2.3**		**9.56**		**4.3**		**15**		**15.5**		**4.4**		**83.73**		**7667.1**		**24.32**	

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations criteria reflects all addendum to criteria through June 2004.

APPENDICES

APPENDIX A

LABORATORY ANALYTICAL RESULTS

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

Well Sampling Field Data Sheet

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

Client Name:
Site Name: JCC
Project No.: ,
Field Staff: RICH BACKERT

WELL DATA

Date		8/17/22							
Well Number		ESI-3							
Diameter (inches)		2"							
Total Sounded Depth (feet)									
Static Water Level (feet)		10.3							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)		2 gal.							
Amount Evacuated (gallons)		2 gal.							

FIELD READINGS

	Stabilization Criteria								
Date		8/17/22							
Time		10:49	10:50	10:55	11:00				
pH (Std. Units)	+/-0.1	9.35	8.20	7.31	7.14				
Conductivity (mS/cm)	3%	.874	.918	.963	.966				
Turbidity (NTU)	10%	0.00	0.00	0.00	0.00				
D.O. (mg/L)	10%	3.98	2.61	1.60	1.41				
Temperature (°C) (°F)	3%	17.26°C	16.10°C	15.35°C	15.19°C				
ORP[3](mV)	+/-10 mv	29	40	39	35				
Appearance		C	C	C	C				
Free Product (Yes/No)		NONE	NONE	NONE	NONE				
Odor		NONE	NONE	NONE	NONE				
Comments		MS+MSD SAMPLE COLLECTED							

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

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Well Sampling Field Data Sheet

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

Client Name: [illegible]
Site Name: [illegible] JCC
Project No.: [illegible]
Field Staff: Rich Backert

WELL DATA

Date		8/17/22							
Well Number		PW-1							
Diameter (inches)		4"							
Total Sounded Depth (feet)									
Static Water Level (feet)		10.0							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)		4 gal							

FIELD READINGS

Date	Stabilization Criteria	8/17/22							
Time		11:30	11:35	11:40	11:45	11:50			
pH (Std. Units)	+/-0.1	7.51	7.00	6.91	6.88	6.76			
Conductivity (mS/cm)	3%	.944	.968	.969	.971	.970			
Turbidity (NTU)	10%	116	48.3	34.2	16.9	1.48			
D.O. (mg/L)	10%	1.93	1.12	1.04	1.00	.96			
Temperature (°C) (°F)	3%	16.43°C	15.66°C	15.49°C	15.19°C	15.40°C			
ORP[3](mV)	+/-10 mv	113	96	100	33	22			
Appearance		C	C	C	C	C			
Free Product (Yes/No)		NONE	NONE	NONE	NONE	NONE			
Odor		NONE	NONE	NONE	NONE	NONE			
Comments	DUP COLLECTED								

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

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Well Sampling Field Data Sheet

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

Client Name: [redacted]
Site Name: [redacted] JCC
Project No.: [redacted]
Field Staff: [redacted] RICH BRICKERT

WELL DATA

Date		8/17/22							
Well Number		ESI-7							
Diameter (inches)		2"							
Total Sounded Depth (feet)									
Static Water Level (feet)		10.4							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)		2 gal							

FIELD READINGS

Date	Stabilization Criteria	8/17/22							
Time		12:35	12:40	12:45					
pH (Std. Units)	+/-0.1	7.83	7.32	7.05					
Conductivity (mS/cm)	3%	.881	.879	.883					
Turbidity (NTU)	10%	22.2	0.00	0.00					
D.O. (mg/L)	10%	3.89	3.50	3.51					
Temperature (°C) (°F)	3%	15.74°C	17.23°C	16.90°C					
ORP[3](mV)	+/-10 mv	101	110	117					
Appearance		C	C	C					
Free Product (Yes/No)		NONE	NONE	NONE					
Odor		NONE	NONE	NONE					
Comments									

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

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Well Sampling Field Data Sheet

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

Client Name: [redacted]
Site Name: [redacted] JCC
Project No.: [redacted]
Field Staff: [redacted] RICH BACKERT

WELL DATA

Date		8/17/22							
Well Number		ESE-13R							
Diameter (inches)		2"							
Total Sounded Depth (feet)									
Static Water Level (feet)		9.0							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)		2gal							

FIELD READINGS

Date	Stabilization Criteria	8/17/22							
Time		2:05	2:10	2:15					
pH (Std. Units)	+/-0.1	7.52	7.09	6.93					
Conductivity (mS/cm)	3%	2.016	.974	.947					
Turbidity (NTU)	10%	135	0.00	0.00					
D.O. (mg/L)	10%	8.49	4.78	4.57					
Temperature (°C) (°F)	3%	22.46°C	18.71°C	15.27°C					
ORP[3](mV)	+/-10 mv	114	129	133					
Appearance		C	C	C					
Free Product (Yes/No)		NONE	NONE	NONE					
Odor		NONE	NONE	NONE					
Comments									

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

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Well Sampling Field Data Sheet

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

Client Name: [redacted]
Site Name: [redacted] JCC
Project No.: [redacted]
Field Staff: [redacted] RICH BACKERT

WELL DATA

Date		8/18/22							
Well Number		ES-10							
Diameter (inches)		2"							
Total Sounded Depth (feet)									
Static Water Level (feet)		10.7							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)		3gal							

FIELD READINGS

Date	Stabilization Criteria	8/18/22							
Time		10:00	10:05	10:10	10:15	10:20	10:25		
pH (Std. Units)	+/-0.1	8.20	7.37	7.03	6.83	6.74	6.69		
Conductivity (mS/cm)	3%	.561	.538	.518	.515	.514	.514		
Turbidity (NTU)	10%	778	359	177	75.3	16.4	0.00		
D.O. (mg/L)	10%	3.86	2.12	1.46	1.22	1.11	1.07		
Temperature (°C) (°F)	3%	16.17°C	15.167°C	15.55°C	15.49°C	15.47°C	15.46°C		
ORP[3](mV)	+/-10 mv	479	527	545	556	561	564		
Appearance		P.NK	P.NK	P.NK	Light Pink	C	C		
Free Product (Yes/No)		Treated	Treated	Treated	Treated	Treated	Treated		
Odor		NONE	NONE	NONE	NONE	NONE	NONE		
Comments		- Treatment Sock pulled FROM WELL							

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

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Buffalo, New York 14203
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Well Sampling Field Data Sheet

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

Client Name: [redacted]
Site Name: [redacted] JCC
Project No.: [redacted]
Field Staff: Rich Backert

WELL DATA

Date		8/18/22							
Well Number		FSJ-11							
Diameter (inches)		2"							
Total Sounded Depth (feet)									
Static Water Level (feet)		10.6							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)		3gal							

FIELD READINGS

Date	Stabilization Criteria	8/18/22							
Time		10:45	10:50	10:55	11:00	11:05			
pH (Std. Units)	+/-0.1	7.09	6.92	6.72	6.67	6.63			
Conductivity (mS/cm)	3%	.552	.585	.630	.636	.636			
Turbidity (NTU)	10%	314	189	109.2	21.8	1.92			
D.O. (mg/L)	10%	3.07	2.74	1.75	1.31	1.13			
Temperature (°C) (°F)	3%	14.60°	14.39°	14.28°C	14.26°C	14.27°C			
ORP[3](mV)	+/-10 mv	579	590	602	604	606			
Appearance		Lightpink	Lightpink	Lightpink	Lightpink	Lightpink			
Free Product (Yes/No)		treated	treated	treated	treated	treated			
Odor		None	None	None	None	None			
Comments		<Treatment Soak in WPCL							

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

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Well Sampling Field Data Sheet

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

Client Name: Laborers Way 1, LLC
Site Name: 310 Ship Canal Pkwy
Project No.: Y2800108
Field Staff: Rich Backert

WELL DATA

Date		8/18/22							
Well Number		ESI-12							
Diameter (inches)		2"							
Total Sounded Depth (feet)									
Static Water Level (feet)		10.6							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)									

FIELD READINGS

Date	Stabilization Criteria	8/18/22							
Time		11:25	11:30	11:35	11:40				
pH (Std. Units)	+/-0.1	7.43	7.19	7.20	7.18				
Conductivity (mS/cm)	3%	.280	.878	.840	.853				
Turbidity (NTU)	10%	469	173	593	0.00				
D.O. (mg/L)	10%	3.35	1.31	1.00	.91				
Temperature (°C) (°F)	3%	15.89°C	14.44°C	14.31°C	14.34°C				
ORP[3](mV)	+/-10 mv	579	602	599	597				
Appearance		Pink / treated	Light Pink / treated	Light Pink / treated	Light Pink / treated				
Free Product (Yes/No)									
Odor		none	none	none	none				
Comments		- Treatment Sock IN WELL							

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

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Well Sampling Field Data Sheet

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

Client Name: [redacted]
Site Name: [redacted] JCC
Project No.: [redacted]
Field Staff: Rich Backert

WELL DATA

Date		9/8/22							
Well Number		ESI-6							
Diameter (inches)		2"							
Total Sounded Depth (feet)									
Static Water Level (feet)		10.6							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)		3gal							

FIELD READINGS

Date	Stabilization Criteria	9/8/22							
Time		12:30	12:35	12:40	12:45	12:50			
pH (Std. Units)	+/-0.1	7.34	7.35	7.11	7.11	7.08			
Conductivity (mS/cm)	3%	1.08	.972	.939	.903	.888			
Turbidity (NTU)	10%	8.82	531	58.4	27.6	0.00			
D.O. (mg/L)	10%	3.71	3.04	2.54	7.91	7.53			
Temperature (°C) (°F)	3%	14.90°C	14.50°C	14.02°C	14.23°C	14.21°C			
ORP[3](mV)	+/-10 mv	608	606	615	605	598			
Appearance		Pink	Lightpink	Lightpink	Lightpink	C			
Free Product (Yes/No)		treated	treated	treated	treated	treated			
Odor		none	none	none	none	none			
Comments		- well has a treatment sock							

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

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

Well Sampling Field Data Sheet

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

Client Name:
Site Name: JCC
Project No.:
Field Staff: RICH Backers

WELL DATA

Date		8/18/22							
Well Number		EST-2							
Diameter (inches)		2"							
Total Sounded Depth (feet)									
Static Water Level (feet)		10.5							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)		3gal							

FIELD READINGS

Date	Stabilization Criteria	8/18/22							
Time		1:10	1:15	1:20	1:25				
pH (Std. Units)	+/-0.1	7.41	7.45	7.32	7.27				
Conductivity (mS/cm)	3%	.524	.6661	.773	.816				
Turbidity (NTU)	10%	943	0.00	0.00	0.00				
D.O. (mg/L)	10%	10.19	8.46	7.98	7.57				
Temperature (°C) (°F)	3%	16.48°C	15.76°C	15.33°C	15.24°C				
ORP[3](mV)	+/-10 mv	506	506	508	510				
Appearance		ST	ST	C	C				
Free Product (Yes/No)		NONE	NONE	NONE	NONE				
Odor		NONE	NONE	NONE	NONE				
Comments									

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

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

Well Sampling Field Data Sheet

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

Client Name:
Site Name: JCC
Project No.:
Field Staff: RICH BACKERT

WELL DATA

Date		9/18/22							
Well Number		ESI-1							
Diameter (inches)		2"							
Total Sounded Depth (feet)									
Static Water Level (feet)		9.2							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)		3 gal							

FIELD READINGS

Date	Stabilization Criteria	9/18/22							
Time		1:50	1:55	2:00	2:05	2:10			
pH (Std. Units)	+/-0.1	7.62	7.02	6.79	6.68	6.63			
Conductivity (mS/cm)	3%	.925	1.01	.982	.959	.939			
Turbidity (NTU)	10%	769	297	169	75.3	76.4	63.8		
D.O. (mg/L)	10%	6.86	5.58	5.37	5.48	5.92			
Temperature (°C) (°F)	3%	18.07°	15.84°C	15.45°C	15.07°C	15.08°C			
ORP[3](mV)	+/-10 mv	440	494	512	518	520			
Appearance		C	C	C	C	C			
Free Product (Yes/No)		NONE	NONE	NONE	NONE	NONE			
Odor		NONE	NONE	NONE	NONE	NONE			
Comments	- purged 3 well volumes turbidity stayed consistent								

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

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

Well Sampling Field Data Sheet

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

Client Name:
Site Name: JCC
Project No.:
Field Staff: RICH RACKNER

WELL DATA

Date		8/18/22							
Well Number		PW-3R							
Diameter (inches)									
Total Sounded Depth (feet)									
Static Water Level (feet)		9.7							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)		2 gal							

FIELD READINGS

Date	Stabilization Criteria	8/18/22							
Time		2:45	2:50	2:55					
pH (Std. Units)	+/-0.1	6.53	6.36	6.15					
Conductivity (mS/cm)	3%	2.73	2.73	2.76					
Turbidity (NTU)	10%	224	86.1	0.00					
D.O. (mg/L)	10%	3.83	2.36	1.19					
Temperature (°C) (°F)	3%	15.95°C	16.11°C	16.88°C					
ORP[3](mV)	+/-10 mv	374	344	198					
Appearance		C	C	C					
Free Product (Yes/No)		NONE	NONE	NONE					
Odor		NONE	NONE	NONE					
Comments									

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

DATA USABILITY SUMMARY REPORT (DUSR)

JCC
Falconer, NY
Project # N30.009.001

SDG: L2244958
12 Water Samples and 1 Trip Blank

Prepared for:

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

November 2022

EDU *Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585-991-9156*

Table of Contents

Tables

REVIEWER'S NARRATIVE
C&S Companies SDG L2244958 JCC

The data associated with this Sample Delivery Groups (SDG) L2244958, analyzed by Alpha Analytical, Westborough, MA have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 11/28/2022

Michael K. Perry
Chemist

1.0 EVENT SUMMARY

SITE:	JCC Falconer, NY Project #: N30.009.001
SAMPLING DATEs:	August 17 - 18, 2022
SAMPLE TYPE:	12 water samples and 1 trip blank
LABORATORY:	Alpha Analytical Westborough, MA
SDG No.:	SDGs L2244958

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,

Compliance with established analyte holding times,

Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,

Adherence to established analytical protocols,

Conformance of data summary sheets with raw analytical data, and

Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for 12 water samples and 1 trip blank collected on 8/17/22 - 8/18/22. These samples were analyzed for Volatile Organic Compounds (VOCs).

All laboratory analyses were submitted to Alpha Analytical, Westborough, MA and analyzed as SDG L2244958. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents appropriate for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results were selected from those listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

Guidance Used For Validating Laboratory Analytical Data

Analyte Group	Guidance	Date
Metals (ICP-AES)	USEPA SOP HW-3a, Rev. 1	September 2016
Metals (Hg & CN)	USEPA SOP HW-3c, Rev. 1	September 2016
Volatile Organic Compounds (by Methods 8260B & 8260C)	USEPA SOP HW-24, Rev. 4	September 2014
Semi-Volatile Organic Compounds (by Method 8270D)	USEPA SOP HW-22 Rev. 5	December 2010
Pesticides (by Method 8181B)	USEPA SOP HW-44, Rev. 1.1	December 2010
Chlorinated Herbicides (by Method 8151A)	USEPA SOP HW-17, Rev. 3.1	December 2010
Polychlorinated Biphenyls (PCBs)	USEPA SOP HW-37A, Rev. 0	June 2015
Volatile Organic Compounds (Air) (by Method TO-15)	USEPA SOP HW-31, Rev. 6	September 2016
Per- and PolyFluoroAlkyl Substances (PFAS)	* NYSDEC	January 2021
General Chemistry Parameters	per NYSDEC ASP	July 2005

* Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, Appendix I

TABLE 4-2

QUALITY CONTROL CRITERIA USED FOR VALIDATING LABORATORY ANALYTICAL DATA

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	PFAS
Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation
Holding Time	Holding Time	Holding Time	Holding Time	Holding Times	Holding Time
System Monitoring Compounds	Surrogate Recoveries	Surrogate Recoveries	Initial/Continuing Calibration	Calibration	Instr Performance Check
Lab Control Sample	Lab Control Sample	Matrix Spikes	CRDL Standards	Lab Control Samples	Initial Calibration
Matrix Spikes	Matrix Spikes	Blanks	Blanks	Blanks	Continuing Calibration
Blanks	Blanks	Instrument Calibration & Verification	Interference Check Sample	Spike Recoveries	Blanks
Instrument Tuning	Instrument Tuning	Comparison of duplicate GC column results	Spike Recoveries	Lab Duplicates	Surrogates
Internal Standards	Internal Standards	Analyte ID	Lab Duplicate		Lab Fortified Blank
Initial Calibration	Initial Calibration	Lab Qualifiers	Lab Control Sample		Matrix Spikes
Continuing Calibration	Continuing Calibration	Field Duplicate	ICP Serial Dilutions		Internal Standards
Lab Qualifiers	Lab Qualifiers		Lab Qualifiers		
Field Duplicate	Field Duplicate		Field Duplicate		

Method TO-15 (Air)
Completeness of Pkg
Sample Preservation
Holding Time
Canister Certification
Instrument Tuning
Initial Calibration and Instrument Performance
Daily Calibration
Blanks
Lab Control Sample
Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

U The analyte was analyzed for but was not detected at or above the sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the concentration of the analyte in the sample. (The magnitude of any value associated with the result is not determined by data validation).

J+ The result is an estimated quantity and may be biased high.

J- The result is an estimated quantity and may be biased low.

UJ The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated in red print. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Table 6-1. The table lists the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG L2244958, thirteen samples were analyzed and results were reported for 754 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and qualified and the associated QC reasons.

ESI-3-081722 ESI-13R-081822 ESI-6-081822 ESI-2-081822 ESI-1-081822 PW-3R-081822 Trip Blank	Dichlorodifluoromethane Acetone 2-Butanone	J detects	LCS > QC limit	Data are estimated
ESI-3-081722	cis-1,2-Dichloroethene	J detects UJ non-detects	MS/MSD < QC limit	Data are estimated
ESI-10-081822 ESI-12-081822 ESI-6-081822 PW-3R-081822	Acetone	CRQL-U	Analyte detected in Trip Blank	Data changed to non-detect
ESI-10-081822 ESI-12-081822 ESI-6-081822	Vinyl chloride Bromomethane Chloroethane Acetone 2-Butanone 4-Methyl-2-pentanone DBCP	J detects UJ non-detects	ICV and/or CCV > QC limit	Data are estimated
PW-1-081722 DUP-081722 ESI-10-081822	Bromomethane Methylacetate 2-Hexanone DBCP	J detects UJ non-detects	CCV > QC limit	Data are estimated

ESI-3-081722 ESI-13R-081822 ESI-6-081822 ESI-2-081822 ESI-1-081822 PW-3R-081822 Trip Blank	Dichlorodifluoromethane Vinyl chloride Bromomethane Carbondisulfide Freon 113 Acetone Methyl acetate Cyclohexane 2-Butanone	J detects UJ non-detects	CCV > QC limit	Data are estimated

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

Validated Analytical Results

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2244958

Project Name: JCC
Project Number: N30.009.001

Lab Number: L2244958
Report Date: 09/02/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2244958-01	ESI-3-081722	WATER	FALCONER, NY	08/17/22 11:00	08/19/22
L2244958-02	PW-1-081822	WATER	FALCONER, NY	08/17/22 11:50	08/19/22
L2244958-03	DUP-081722	WATER	FALCONER, NY	08/17/22 11:50	08/19/22
L2244958-04	ESI-10-081822	WATER	FALCONER, NY	08/18/22 10:25	08/19/22
L2244958-05	ESI-11-081822	WATER	FALCONER, NY	08/18/22 11:05	08/19/22
L2244958-06	ESI-12-081822	WATER	FALCONER, NY	08/18/22 11:40	08/19/22
L2244958-07	ESI-7-081722	WATER	FALCONER, NY	08/17/22 12:45	08/19/22
L2244958-08	ESI-13R-081722	WATER	FALCONER, NY	08/17/22 14:15	08/19/22
L2244958-09	ESI-6-081822	WATER	FALCONER, NY	08/18/22 12:50	08/19/22
L2244958-10	ESI-2-081822	WATER	FALCONER, NY	08/18/22 13:25	08/19/22
L2244958-11	ESI-1-081822	WATER	FALCONER, NY	08/18/22 14:10	08/19/22
L2244958-12	PW-3R-081822	WATER	FALCONER, NY	08/18/22 14:55	08/19/22
L2244958-13	TRIP BLANK	WATER	FALCONER, NY	08/18/22 16:00	08/19/22

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2244958-03: The sample identified as "DUP-081822" on the chain of custody was identified as "DUP-081722" on the container label. At the client's request, the sample is reported as "DUP-081722".

Volatile Organics

L2244958-09D: The sample has elevated detection limits due to the dilution required by the sample matrix (purple).

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

Authorized Signature: Melissa Sturgis Report Date: 09/02/22

Title: Technical Director/Representative

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 2

Date Rec'd in Lab: 8/20/22

ALPHA Job #: L2244958

Client Information
Client: CES ENGINEERS
Address: 141 ELM ST
BUFFALO NY 14203
Phone:
Fax:
Email: rbuckert@cesgroup.com

Project Information
Project Name: JCC
Project Location: FALCONER NY
Project #: N30.069.001
(Use Project name as Project #) ☐
Project Manager: RICK BUCKERT
ALPHAQuote #:

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

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

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

Billing Information
☒ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOCs 8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	Sample Specific Comments	Total Bottles
44958 01	ESI-3-081722	8/17/22	11:00	GW	RB	X		3
01	MS - 081722	8/17/22	11:00	GW	RB	X		3
01	MSD - 081722	8/17/22	11:00	GW	RB	X		3
02	RW-1 - 081822	8/17/22	11:50	GW	RB	X		3
03	DUP - 081822	8/17/22	11:50	GW	RB	X		3
04	ESI-10 - 081822	8/18/22	10:25	GW	RB	X		3
05	ESI-11 - 081822	8/18/22	11:05	GW	RB	X		3
06	ESI-12 - 081822	8/18/22	11:40	GW	RB	X		3
07	ESI-7 - 081722	8/17/22	12:45	GW	RB	X		3
08	ESI-13R - 081722	8/17/22	2:15	GW	RB	X		3

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

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

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

Container Type	V	
Preservative	B	

Relinquished By:	Date/Time	Received By:	Date/Time
	8/19/22 750		8/19/22 0750
	8/19/22 0750		8/20/22 0020

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

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

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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

Page 2 of 2

Date Rec'd in Lab: 8/20/22

ALPHA Job #: L2244958

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

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

Project Information
Project Name: JCC
Project Location: Falconer NY
Project #: N30.009.001
(Use Project name as Project #) ☐
Project Manager: Rich Barkert
ALPHAQuote #:

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

Client Information
Client: C+S Engineers
Address: 141 Elm St
Buffalo NY 14203
Phone:
Fax:
Email: rbachert@cscos.com

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

Billing Information
☒ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCTCL 8260								Sample Specific Comments	Total Bottle
44958-09	ESI-6-081822	8/18/22	12:50	GW	RB	X									3
-10	ESI-2-081822	8/18/22	1:25	GW	RB	X									3
-11	ESI-1-081822	8/18/22	2:10	GW	RB	X									3
-12	MW-3R-081822	8/18/22	2:55	GW	RB	X									3
-13	Trip Blank	8/18/22	4:00	GW	RB	X									2

	VOCTCL 8260							
Container Type	V							
Preservative	B							

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/18/22 7:50	[signature]	8/19/22 @ 7:50
[signature]	8/19/22 7:50	[signature]	8/20/22 0020

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

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

GC/MS 8260
Analysis

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-01	Date Collected	: 08/17/22 11:00
Client ID	: ESI-3-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/26/22 00:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N19	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	1.7	2.5	0.70	J	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	0.92	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-01	Date Collected	: 08/17/22 11:00
Client ID	: ESI-3-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/26/22 00:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N19	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	5.6	0.50	0.18		
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	UJ
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	22	2.5	0.70		J
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	UJ
67-64-1	Acetone	ND	5.0	1.5	U	UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U	UJ
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-01	Date Collected	: 08/17/22 11:00
Client ID	: ESI-3-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/26/22 00:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N19	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	UJ
110-82-7	Cyclohexane	ND	10	0.27	U	UJ
76-13-1	Freon-113	ND	2.5	0.70	U	UJ
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-02	Date Collected	: 08/17/22 11:50
Client ID	: PW-1-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 14:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V05220825A20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	0.73	2.5	0.70	J	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	2.0	1.0	0.07		
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-02	Date Collected	: 08/17/22 11:50
Client ID	: PW-1-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 14:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V05220825A20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	17	0.50	0.18		
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	64	2.5	0.70		
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-02	Date Collected	: 08/17/22 11:50
Client ID	: PW-1-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 14:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V05220825A20	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	UJ
110-82-7	Cyclohexane	ND	10	0.27	U	
76-13-1	Freon-113	ND	2.5	0.70	U	
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-03	Date Collected	: 08/17/22 11:50
Client ID	: DUP-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 14:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V05220825A21	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	0.71	2.5	0.70	J	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	2.0	1.0	0.07		
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-03	Date Collected	: 08/17/22 11:50
Client ID	: DUP-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 14:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V05220825A21	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	17	0.50	0.18		
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	65	2.5	0.70		
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-03	Date Collected	: 08/17/22 11:50
Client ID	: DUP-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 14:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V05220825A21	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	UJ
110-82-7	Cyclohexane	ND	10	0.27	U	
76-13-1	Freon-113	ND	2.5	0.70	U	
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-04	Date Collected	: 08/18/22 10:25
Client ID	: ESI-10-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 15:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V05220825A22	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-04	Date Collected	: 08/18/22 10:25
Client ID	: ESI-10-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 15:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V05220825A22	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	~~3.6~~	5.0	1.5	J	5.0 UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-04	Date Collected	: 08/18/22 10:25
Client ID	: ESI-10-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 15:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: LAC
Lab File ID	: V05220825A22	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	UJ
110-82-7	Cyclohexane	ND	10	0.27	U	
76-13-1	Freon-113	ND	2.5	0.70	U	
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-05	Date Collected	: 08/18/22 11:05
Client ID	: ESI-11-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 18:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V22220825A23	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	2.3	2.0	0.65		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U	UJ
75-00-3	Chloroethane	ND	2.5	0.70	U	UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-05	Date Collected	: 08/18/22 11:05
Client ID	: ESI-11-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 18:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V22220825A23	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	UJ
591-78-6	2-Hexanone	ND	5.0	1.0	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2244958
Project Name	: JCC	**Project Number**	: N30.009.001
Lab ID	: L2244958-05	**Date Collected**	: 08/18/22 11:05
Client ID	: ESI-11-081822	**Date Received**	: 08/19/22
Sample Location	: FALCONER, NY	**Date Analyzed**	: 08/25/22 18:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V22220825A23	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-06	Date Collected	: 08/18/22 11:40
Client ID	: ESI-12-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 18:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V22220825A24	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	2.0	2.0	0.65		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U	UJ
75-00-3	Chloroethane	ND	2.5	0.70	U	UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-06	Date Collected	: 08/18/22 11:40
Client ID	: ESI-12-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 18:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V22220825A24	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	~~2.3~~	5.0	1.5	J	5.0 UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	UJ
591-78-6	2-Hexanone	ND	5.0	1.0	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2244958
Project Name	: JCC	**Project Number**	: N30.009.001
Lab ID	: L2244958-06	**Date Collected**	: 08/18/22 11:40
Client ID	: ESI-12-081822	**Date Received**	: 08/19/22
Sample Location	: FALCONER, NY	**Date Analyzed**	: 08/25/22 18:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V22220825A24	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-07	Date Collected	: 08/17/22 12:45
Client ID	: ESI-7-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 19:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V22220825A25	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	0.48	0.50	0.18	J	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U	UJ
75-00-3	Chloroethane	ND	2.5	0.70	U	UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-07	Date Collected	: 08/17/22 12:45
Client ID	: ESI-7-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 19:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V22220825A25	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	79	0.50	0.18		
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	4.4	2.5	0.70		
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	UJ
591-78-6	2-Hexanone	ND	5.0	1.0	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	UJ
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	**Lab Number**	: L2244958
Project Name	: JCC	**Project Number**	: N30.009.001
Lab ID	: L2244958-07	**Date Collected**	: 08/17/22 12:45
Client ID	: ESI-7-081722	**Date Received**	: 08/19/22
Sample Location	: FALCONER, NY	**Date Analyzed**	: 08/25/22 19:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V22220825A25	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-08	Date Collected	: 08/17/22 14:15
Client ID	: ESI-13R-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/26/22 00:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N18	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U	UJ
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-08	Date Collected	: 08/17/22 14:15
Client ID	: ESI-13R-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/26/22 00:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N18	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	14	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.5	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U UJ
67-64-1	Acetone	ND	5.0	1.5	U UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U UJ
78-93-3	2-Butanone	ND	5.0	1.9	U UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-08	Date Collected	: 08/17/22 14:15
Client ID	: ESI-13R-081722	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/26/22 00:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N18	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	UJ
110-82-7	Cyclohexane	ND	10	0.27	U	UJ
76-13-1	Freon-113	ND	2.5	0.70	U	UJ
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-09D	Date Collected	: 08/18/22 12:50
Client ID	: ESI-6-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 23:55
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N17	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	25	7.0	U	
75-34-3	1,1-Dichloroethane	ND	25	7.0	U	
67-66-3	Chloroform	ND	25	7.0	U	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U	
78-87-5	1,2-Dichloropropane	ND	10	1.4	U	
124-48-1	Dibromochloromethane	ND	5.0	1.5	U	
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U	
127-18-4	Tetrachloroethene	ND	5.0	1.8	U	
108-90-7	Chlorobenzene	ND	25	7.0	U	
75-69-4	Trichlorofluoromethane	ND	25	7.0	U	
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U	
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U	
75-27-4	Bromodichloromethane	ND	5.0	1.9	U	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U	
75-25-2	Bromoform	7.3	20	6.5	J	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U	
71-43-2	Benzene	ND	5.0	1.6	U	
108-88-3	Toluene	ND	25	7.0	U	
100-41-4	Ethylbenzene	ND	25	7.0	U	
74-87-3	Chloromethane	ND	25	7.0	U	
74-83-9	Bromomethane	ND	25	7.0	U	UJ
75-01-4	Vinyl chloride	ND	10	0.71	U	UJ
75-00-3	Chloroethane	ND	25	7.0	U	
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-09D	Date Collected	: 08/18/22 12:50
Client ID	: ESI-6-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 23:55
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N17	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U	
79-01-6	Trichloroethene	1.9	5.0	1.8	J	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U	
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U	
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U	
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U	
179601-23-1	p/m-Xylene	ND	25	7.0	U	
95-47-6	o-Xylene	ND	25	7.0	U	
156-59-2	cis-1,2-Dichloroethene	ND	25	7.0	U	
100-42-5	Styrene	ND	25	7.0	U	
75-71-8	Dichlorodifluoromethane	ND	50	10.	U	UJ
67-64-1	Acetone	24	50	15.	J	50 UJ
75-15-0	Carbon disulfide	ND	50	10.	U	UJ
78-93-3	2-Butanone	ND	50	19.	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U	
591-78-6	2-Hexanone	ND	50	10.	U	
106-93-4	1,2-Dibromoethane	ND	20	6.5	U	
104-51-8	n-Butylbenzene	ND	25	7.0	U	
135-98-8	sec-Butylbenzene	ND	25	7.0	U	
98-06-6	tert-Butylbenzene	ND	25	7.0	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U	
98-82-8	Isopropylbenzene	ND	25	7.0	U	
99-87-6	p-Isopropyltoluene	ND	25	7.0	U	
91-20-3	Naphthalene	ND	25	7.0	U	
103-65-1	n-Propylbenzene	ND	25	7.0	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-09D	Date Collected	: 08/18/22 12:50
Client ID	: ESI-6-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 23:55
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N17	Instrument ID	: VOA108
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U	
108-67-8	1,3,5-Trimethylbenzene	ND	25	7.0	U	
95-63-6	1,2,4-Trimethylbenzene	ND	25	7.0	U	
79-20-9	Methyl Acetate	ND	20	2.3	U	UJ
110-82-7	Cyclohexane	ND	100	2.7	U	UJ
76-13-1	Freon-113	ND	25	7.0	U	UJ
108-87-2	Methyl cyclohexane	ND	100	4.0	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-10D	Date Collected	: 08/18/22 13:25
Client ID	: ESI-2-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 23:34
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N16	Instrument ID	: VOA108
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	12	3.5	U	
75-34-3	1,1-Dichloroethane	ND	12	3.5	U	
67-66-3	Chloroform	ND	12	3.5	U	
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U	
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U	
124-48-1	Dibromochloromethane	ND	2.5	0.74	U	
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U	
127-18-4	Tetrachloroethene	ND	2.5	0.90	U	
108-90-7	Chlorobenzene	ND	12	3.5	U	
75-69-4	Trichlorofluoromethane	ND	12	3.5	U	
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U	
71-55-6	1,1,1-Trichloroethane	ND	12	3.5	U	
75-27-4	Bromodichloromethane	ND	2.5	0.96	U	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U	
75-25-2	Bromoform	ND	10	3.2	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U	
71-43-2	Benzene	ND	2.5	0.80	U	
108-88-3	Toluene	ND	12	3.5	U	
100-41-4	Ethylbenzene	ND	12	3.5	U	
74-87-3	Chloromethane	ND	12	3.5	U	
74-83-9	Bromomethane	ND	12	3.5	U	UJ
75-01-4	Vinyl chloride	120	5.0	0.36		J
75-00-3	Chloroethane	ND	12	3.5	U	
75-35-4	1,1-Dichloroethene	2.4	2.5	0.84	J	

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Results Summary
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Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-10D	Date Collected	: 08/18/22 13:25
Client ID	: ESI-2-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 23:34
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N16	Instrument ID	: VOA108
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	14	12	3.5		
79-01-6	Trichloroethene	400	2.5	0.88		
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U	
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U	
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U	
1634-04-4	Methyl tert butyl ether	ND	12	3.5	U	
179601-23-1	p/m-Xylene	ND	12	3.5	U	
95-47-6	o-Xylene	ND	12	3.5	U	
156-59-2	cis-1,2-Dichloroethene	780	12	3.5		
100-42-5	Styrene	ND	12	3.5	U	
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U	UJ
67-64-1	Acetone	49	25	7.3		J
75-15-0	Carbon disulfide	ND	25	5.0	U	UJ
78-93-3	2-Butanone	10	25	9.7	J	J
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U	
591-78-6	2-Hexanone	ND	25	5.0	U	
106-93-4	1,2-Dibromoethane	ND	10	3.2	U	
104-51-8	n-Butylbenzene	ND	12	3.5	U	
135-98-8	sec-Butylbenzene	ND	12	3.5	U	
98-06-6	tert-Butylbenzene	ND	12	3.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U	
98-82-8	Isopropylbenzene	ND	12	3.5	U	
99-87-6	p-Isopropyltoluene	ND	12	3.5	U	
91-20-3	Naphthalene	ND	12	3.5	U	
103-65-1	n-Propylbenzene	ND	12	3.5	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-10D	Date Collected	: 08/18/22 13:25
Client ID	: ESI-2-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 23:34
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N16	Instrument ID	: VOA108
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U	
108-67-8	1,3,5-Trimethylbenzene	ND	12	3.5	U	
95-63-6	1,2,4-Trimethylbenzene	ND	12	3.5	U	
79-20-9	Methyl Acetate	ND	10	1.2	U	UJ
110-82-7	Cyclohexane	ND	50	1.4	U	UJ
76-13-1	Freon-113	ND	12	3.5	U	UJ
108-87-2	Methyl cyclohexane	ND	50	2.0	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-11	Date Collected	: 08/18/22 14:10
Client ID	: ESI-1-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 23:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N15	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U	UJ
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
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Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-11	Date Collected	: 08/18/22 14:10
Client ID	: ESI-1-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 23:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N15	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	4.4	0.50	0.18		
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	UJ
67-64-1	Acetone	ND	5.0	1.5	U	UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U	UJ
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-11	Date Collected	: 08/18/22 14:10
Client ID	: ESI-1-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 23:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N15	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	UJ
110-82-7	Cyclohexane	ND	10	0.27	U	UJ
76-13-1	Freon-113	ND	2.5	0.70	U	UJ
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Results Summary
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Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-12	Date Collected	: 08/18/22 14:55
Client ID	: PW-3R-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 22:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N14	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	0.80	2.5	0.70	J	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	0.15	1.0	0.14	J	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	2.7	2.5	0.70		
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	13	1.0	0.07		J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-12	Date Collected	: 08/18/22 14:55
Client ID	: PW-3R-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 22:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N14	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	0.87	2.5	0.70	J	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	2.6	2.5	0.70		
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	UJ
67-64-1	Acetone	~~4.2~~	5.0	1.5	J	5.0 UJ
75-15-0	Carbon disulfide	ND	5.0	1.0	U	UJ
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-12	Date Collected	: 08/18/22 14:55
Client ID	: PW-3R-081822	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 22:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N14	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	UJ
110-82-7	Cyclohexane	ND	10	0.27	U	UJ
76-13-1	Freon-113	ND	2.5	0.70	U	UJ
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-13	Date Collected	: 08/18/22 16:00
Client ID	: TRIP BLANK	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 22:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N13	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U	UJ
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-13	Date Collected	: 08/18/22 16:00
Client ID	: TRIP BLANK	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 22:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N13	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	UJ
67-64-1	Acetone	2.3	5.0	1.5	J	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U	UJ
78-93-3	2-Butanone	ND	5.0	1.9	U	UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	

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Results Summary
Form 1
Volatile Organics by GC/MS

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Lab ID	: L2244958-13	Date Collected	: 08/18/22 16:00
Client ID	: TRIP BLANK	Date Received	: 08/19/22
Sample Location	: FALCONER, NY	Date Analyzed	: 08/25/22 22:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V08220825N13	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	UJ
110-82-7	Cyclohexane	ND	10	0.27	U	UJ
76-13-1	Freon-113	ND	2.5	0.70	U	UJ
108-87-2	Methyl cyclohexane	ND	10	0.40	U	

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Appendix B

Laboratory QC Documentation

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2244958
Project Name	: JCC	**Project Number**	: N30.009.001
Matrix	: WATER		
LCS Sample ID	: WG1680118-3	**Analysis Date** : 08/25/22 08:47	**File ID** : V22220825A01
LCSD Sample ID	: WG1680118-4	**Analysis Date** : 08/25/22 09:12	**File ID** : V22220825A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	10	11	110	10	11	110	0	63-132	20
1,2-Dichloropropane	10	10	100	10	11	110	10	70-130	20
Dibromochloromethane	10	9.5	95	10	9.8	98	3	63-130	20
1,1,2-Trichloroethane	10	9.4	94	10	9.8	98	4	70-130	20
Tetrachloroethene	10	9.7	97	10	9.8	98	1	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	11	110	10	11	110	0	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	10	9.9	99	10	10	100	1	67-130	20
trans-1,3-Dichloropropene	10	9.2	92	10	9.4	94	2	70-130	20
cis-1,3-Dichloropropene	10	9.5	95	10	9.6	96	1	70-130	20
Bromoform	10	8.8	88	10	9.2	92	4	54-136	20
1,1,2,2-Tetrachloroethane	10	9.8	98	10	10	100	2	67-130	20
Benzene	10	11	110	10	11	110	0	70-130	20
Toluene	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	9.7	97	10	9.6	96	1	64-130	20
Bromomethane	10	5.4	54	10	5.1	51	6	39-139	20
Vinyl chloride	10	12	120	10	12	120	0	55-140	20
Chloroethane	10	15	150 Q	10	15	150 Q	0	55-138	20
1,1-Dichloroethene	10	12	120	10	12	120	0	61-145	20
trans-1,2-Dichloroethene	10	12	120	10	12	120	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: C&S Companies	**Lab Number**	: L2244958
Project Name	: JCC	**Project Number**	: N30.009.001
Matrix	: WATER		
LCS Sample ID	: WG1680167-3	**Analysis Date** : 08/25/22 18:12	**File ID** : V08220825N01
LCSD Sample ID	: WG1680167-4	**Analysis Date** : 08/25/22 18:33	**File ID** : V08220825N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	11	110	10	11	110	0	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	8.2	82	10	9.7	97	17	63-130	20
p/m-Xylene	20	20	100	20	21	105	5	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Styrene	20	22	110	20	22	110	0	70-130	20
Dichlorodifluoromethane	10	15	150 Q	10	16	160 Q	6	36-147	20
Acetone	10	15	150 Q	10	14	140	7	58-148	20
Carbon disulfide	10	12	120	10	12	120	0	51-130	20
2-Butanone	10	14	140 Q	10	12	120	15	63-138	20
4-Methyl-2-pentanone	10	11	110	10	10	100	10	59-130	20
2-Hexanone	10	9.5	95	10	10	100	5	57-130	20
1,2-Dibromoethane	10	11	110	10	11	110	0	70-130	20
n-Butylbenzene	10	10	100	10	9.9	99	1	53-136	20
sec-Butylbenzene	10	9.8	98	10	9.8	98	0	70-130	20
tert-Butylbenzene	10	9.2	92	10	9.2	92	0	70-130	20
1,2-Dibromo-3-chloropropane	10	8.8	88	10	9.3	93	6	41-144	20
Isopropylbenzene	10	9.0	90	10	8.9	89	1	70-130	20
p-Isopropyltoluene	10	9.4	94	10	9.3	93	1	70-130	20
Naphthalene	10	8.2	82	10	8.2	82	0	70-130	20
n-Propylbenzene	10	9.6	96	10	9.6	96	0	69-130	20
1,2,4-Trichlorobenzene	10	9.2	92	10	9.0	90	2	70-130	20
1,3,5-Trimethylbenzene	10	9.6	96	10	9.6	96	0	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Client Sample ID	: ESI-3-081722	Matrix	: WATER
Lab Sample ID	: L2244958-01	Analysis Date	: 08/26/22 00:37
Matrix Spike	: WG1680167-6	MS Analysis Date	: 08/26/22 03:05
Matrix Spike Dup	: WG1680167-7	MSD Analysis Date	: 08/26/22 03:26

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	11	110	10	9.2	92	18	70-130	20
1,1-Dichloroethane	ND	10	13	130	10	10	100	26 Q	70-130	20
Chloroform	1.7J	10	12	120	10	13	130	8	70-130	20
Carbon tetrachloride	ND	10	9.3	93	10	10	100	7	63-132	20
1,2-Dichloropropane	ND	10	12	120	10	11	110	9	70-130	20
Dibromochloromethane	ND	10	10	100	10	10	100	0	63-130	20
1,1,2-Trichloroethane	ND	10	12	120	10	11	110	9	70-130	20
Tetrachloroethene	ND	10	12	120	10	12	120	0	70-130	20
Chlorobenzene	ND	10	11	110	10	11	110	0	75-130	20
Trichlorofluoromethane	ND	10	12	120	10	11	110	9	62-150	20
1,2-Dichloroethane	ND	10	12	120	10	11	110	9	70-130	20
1,1,1-Trichloroethane	ND	10	9.6	96	10	11	110	14	67-130	20
Bromodichloromethane	ND	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	ND	10	9.7	97	10	9.5	95	2	70-130	20
cis-1,3-Dichloropropene	ND	10	8.6	86	10	8.3	83	4	70-130	20
Bromoform	ND	10	9.3	93	10	9.3	93	0	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	11	110	10	11	110	0	67-130	20
Benzene	ND	10	12	120	10	12	120	0	70-130	20
Toluene	ND	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	ND	10	11	110	10	11	110	0	70-130	20
Chloromethane	ND	10	14	140 Q	10	14	140 Q	0	64-130	20
Bromomethane	ND	10	6.8	68	10	7.2	72	6	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Client Sample ID	: ESI-3-081722	Matrix	: WATER
Lab Sample ID	: L2244958-01	Analysis Date	: 08/26/22 00:37
Matrix Spike	: WG1680167-6	MS Analysis Date	: 08/26/22 03:05
Matrix Spike Dup	: WG1680167-7	MSD Analysis Date	: 08/26/22 03:26

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	0.92J	10	14	140	10	14	140	0	55-140	20
Chloroethane	ND	10	14	140 Q	10	13	130	7	55-138	20
1,1-Dichloroethene	ND	10	12	120	10	10	100	18	61-145	20
trans-1,2-Dichloroethene	ND	10	12	120	10	10	100	18	70-130	20
Trichloroethene	5.6	10	18	124	10	17	114	6	70-130	20
1,2-Dichlorobenzene	ND	10	11	110	10	10	100	10	70-130	20
1,3-Dichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
1,4-Dichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
Methyl tert butyl ether	ND	10	9.5	95	10	7.8	78	20	63-130	20
p/m-Xylene	ND	20	23	115	20	23	115	0	70-130	20
o-Xylene	ND	20	22	110	20	22	110	0	70-130	20
cis-1,2-Dichloroethene	22	10	33	110	10	28	60 Q	16	70-130	20
Styrene	ND	20	23	115	20	23	115	0	70-130	20
Dichlorodifluoromethane	ND	10	16	160 Q	10	16	160 Q	0	36-147	20
Acetone	ND	10	14	140	10	9.9	99	34 Q	58-148	20
Carbon disulfide	ND	10	12	120	10	11	110	9	51-130	20
2-Butanone	ND	10	9.7	97	10	11	110	13	63-138	20
4-Methyl-2-pentanone	ND	10	9.9	99	10	9.8	98	1	59-130	20
2-Hexanone	ND	10	9.0	90	10	8.7	87	3	57-130	20
1,2-Dibromoethane	ND	10	11	110	10	11	110	0	70-130	20
n-Butylbenzene	ND	10	11	110	10	11	110	0	53-136	20
sec-Butylbenzene	ND	10	11	110	10	11	110	0	70-130	20

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2022\220728NICAL\
Data File : V22220728N18.D
Acq On : 29 Jul 2022 01:50 am
Operator : VOA122:PD
Sample : C8260STD10PPB
Misc : WG1669024,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 29 11:47:16 2022
Quant Method : I:\VOLATILES\VOA122\2022\220728NICAL\V122_220728N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jul 29 11:43:39 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	101	0.00
2	TP	Dichlorodifluoromethane	0.283	0.199	29.7#	65	0.00
3	TP	Chloromethane	0.254	0.227	10.6	84	0.00
4	TC	Vinyl chloride	0.306	0.301	1.6	89	0.00
5	TP	Bromomethane	0.252	0.253	-0.4	108	0.00
6	TP	Chloroethane	0.223	0.234	-4.9	94	0.00
7	TP	Trichlorofluoromethane	0.390	0.416	-6.7	97	0.00
8	TP	Ethyl ether	0.088	0.106	-20.5#	114	0.00
10	TC	1,1-Dichloroethene	0.208	0.214	-2.9	95	0.00
11	TP	Carbon disulfide	0.547	0.639	-16.8	109	0.00
12	TP	Freon-113	0.235	0.269	-14.5	105	0.00
13	TP	Iodomethane	0.338	0.315	6.8	85	0.00
14	TP	Acrolein	0.019	0.018	5.3	97	0.00
15	TP	Methylene chloride	0.242	0.241	0.4	97	0.00
17	TP	Acetone	* 10.000	7.659	23.4#	86	0.00
18	TP	trans-1,2-Dichloroethene	0.231	0.243	-5.2	97	0.00
19	TP	Methyl acetate	0.080	0.072	10.0	87	0.00
21	TP	Methyl tert-butyl ether	0.423	0.428	-1.2	99	0.00
22	TP	tert-Butyl alcohol	0.012	0.011	8.3	88	0.00
24	TP	Diisopropyl ether	0.550	0.530	3.6	98	0.00
25	TP	1,1-Dichloroethane	0.410	0.448	-9.3	100	0.00
26	TP	Halothane	0.182	0.206	-13.2	104	0.00
27	TP	Acrylonitrile	0.045	0.046	-2.2	97	0.00
28	TP	Ethyl tert-butyl ether	0.536	0.506	5.6	97	0.00
29	TP	Vinyl acetate	0.304	0.230	24.3#	86	0.00
30	TP	cis-1,2-Dichloroethene	0.254	0.259	-2.0	96	0.00
31	TP	2,2-Dichloropropane	0.344	0.347	-0.9	97	0.00
32	TP	Bromochloromethane	0.113	0.116	-2.7	94	0.00
33	TP	Cyclohexane	0.406	0.408	-0.5	94	0.00
34	TC	Chloroform	0.419	0.442	-5.5	99	0.00
35	TP	Ethyl acetate	0.113	0.097	14.2	88	0.00
36	TP	Carbon tetrachloride	0.345	0.369	-7.0	97	0.00
37	TP	Tetrahydrofuran	0.043	0.040	7.0	87	0.00
38	S	Dibromofluoromethane	0.295	0.309	-4.7	102	0.00
39	TP	1,1,1-Trichloroethane	0.369	0.424	-14.9	105	0.00
41	TP	2-Butanone	0.049	0.034	30.6#	82	0.00
42	TP	1,1-Dichloropropene	0.312	0.323	-3.5	96	0.00
44	TP	Benzene	0.836	0.833	0.4	95	0.00
45	TP	tert-Amyl methyl ether	0.470	0.438	6.8	95	0.00

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		Lab Number	: L2244958	
Project Name	: JCC		Project Number	: N30.009.001	
Instrument ID	: VOA105		Calibration Date	: 08/25/22 07:01	
Lab File ID	: V05220825A01		Init. Calib. Date(s)	: 08/19/22	08/19/22
Sample No	: WG1679629-2		Init. Calib. Times	: 14:23	17:52
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
Fluorobenzene	1	1	-	0	20	82	0	
Dichlorodifluoromethane	0.245	0.239	-	2.4	20	75	0	
Chloromethane	0.259	0.26	-	-0.4	20	78	0	
Vinyl chloride	0.28	0.29	-	-3.6	20	82	0	
Bromomethane	0.283	0.37	-	-30.7*	20	106	0	
Chloroethane	0.214	0.252	-	-17.8	20	91	0	
Trichlorofluoromethane	0.558	0.612	-	-9.7	20	84	0	
Ethyl ether	0.12	0.126	-	-5	20	82	0	
1,1-Dichloroethene	0.212	0.204	-	3.8	20	77	0	
Carbon disulfide	0.556	0.549	-	1.3	20	80	0	
Freon-113	0.235	0.232	-	1.3	20	77	0	
Acrolein	0.025	0.02	-	20	20	65	0	
Methylene chloride	0.229	0.219	-	4.4	20	78	0	
Acetone	0.032	0.032	-	0	20	87	0	
trans-1,2-Dichloroethene	0.238	0.232	-	2.5	20	78	0	
Methyl acetate	0.086	0.066	-	23.3*	20	67	0	
Methyl tert-butyl ether	0.422	0.362	-	14.2	20	69	0	
tert-Butyl alcohol	0.00767	0.00685*	-	10.7	20	69	0	
Diisopropyl ether	0.686	0.619	-	9.8	20	73	0	
1,1-Dichloroethane	0.426	0.411	-	3.5	20	77	0	
Halothane	0.189	0.181	-	4.2	20	77	0	
Acrylonitrile	0.042	0.038	-	9.5	20	77	0	
Ethyl tert-butyl ether	0.612	0.533	-	12.9	20	71	0	
Vinyl acetate	0.428	0.339	-	20.8*	20	67	0	NT
cis-1,2-Dichloroethene	0.263	0.253	-	3.8	20	77	0	
2,2-Dichloropropane	0.373	0.357	-	4.3	20	76	0	
Bromochloromethane	0.118	0.113	-	4.2	20	76	0	
Cyclohexane	0.448	0.422	-	5.8	20	75	0	
Chloroform	0.42	0.394	-	6.2	20	75	0	
Ethyl acetate	0.131	0.102	-	22.1*	20	68	0	NT
Carbon tetrachloride	0.359	0.335	-	6.7	20	77	0	
Tetrahydrofuran	0.037	0.034	-	8.1	20	71	0	
Dibromofluoromethane	0.26	0.257	-	1.2	20	81	0	
1,1,1-Trichloroethane	0.391	0.373	-	4.6	20	75	0	
2-Butanone	0.051	0.044	-	13.7	20	70	0	
1,1-Dichloropropene	0.322	0.309	-	4	20	75	0	
Benzene	0.935	0.91	-	2.7	20	78	0	
tert-Amyl methyl ether	0.513	0.427	-	16.8	20	69	0	
1,2-Dichloroethane-d4	0.283	0.275	-	2.8	20	76	0	
1,2-Dichloroethane	0.291	0.264	-	9.3	20	73	0	
Methyl cyclohexane	0.455	0.433	-	4.8	20	77	0	
Trichloroethene	0.268	0.237	-	11.6	20	74	0	
Dibromomethane	0.127	0.116	-	8.7	20	73	0	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	Lab Number	: L2244958
Project Name	: JCC	Project Number	: N30.009.001
Instrument ID	: VOA105	Calibration Date	: 08/25/22 07:01
Lab File ID	: V05220825A01	Init. Calib. Date(s)	: 08/19/22 08/19/22
Sample No	: WG1679629-2	Init. Calib. Times	: 14:23 17:52
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.233	0.221	-	5.2	20	75	0
Bromodichloromethane	0.309	0.288*	-	6.8	20	75	0
1,4-Dioxane	0.00087	0.00093*	-	-6.9	20	81	0
cis-1,3-Dichloropropene	0.339	0.32	-	5.6	20	74	0
Chlorobenzene-d5	1	1	-	0	20	81	0
Toluene-d8	1.241	1.3	-	-4.8	20	82	0
Toluene	0.769	0.75	-	2.5	20	77	0
4-Methyl-2-pentanone	0.058	0.048	-	17.2	20	63	0
Tetrachloroethene	0.355	0.343	-	3.4	20	75	0
trans-1,3-Dichloropropene	0.355	0.344	-	3.1	20	71	0
Ethyl methacrylate	0.252	0.217	-	13.9	20	66	0
1,1,2-Trichloroethane	0.18	0.166*	-	7.8	20	72	0
Chlorodibromomethane	0.277	0.252	-	9	20	73	0
1,3-Dichloropropane	0.394	0.377	-	4.3	20	72	0
1,2-Dibromoethane	0.189	0.171*	-	9.5	20	69	0
2-Hexanone	0.105	0.081	-	22.9*	20	63	0
Chlorobenzene	0.883	0.841	-	4.8	20	76	0
Ethylbenzene	1.55	1.488	-	4	20	76	0
1,1,1,2-Tetrachloroethane	0.306	0.286	-	6.5	20	75	0
p/m Xylene	0.634	0.605	-	4.6	20	77	0
o Xylene	0.627	0.573	-	8.6	20	76	0
Styrene	0.931	0.889	-	4.5	20	76	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	81	0
Bromoform	0.294	0.236	-	19.7	20	72	0
Isopropylbenzene	2.965	2.83	-	4.6	20	75	0
4-Bromofluorobenzene	0.763	0.757	-	0.8	20	79	0
Bromobenzene	0.676	0.617	-	8.7	20	74	0
n-Propylbenzene	3.439	3.378	-	1.8	20	76	0
1,4-Dichlorobutane	0.638	0.556	-	12.9	20	70	0
1,1,2,2-Tetrachloroethane	0.463	0.391	-	15.6	20	70	0
4-Ethyltoluene	2.905	2.768	-	4.7	20	76	0
2-Chlorotoluene	1.888	1.828	-	3.2	20	78	0
1,3,5-Trimethylbenzene	2.515	2.334	-	7.2	20	76	0
1,2,3-Trichloropropane	0.359	0.299	-	16.7	20	67	0
trans-1,4-Dichloro-2-buten	0.134	0.116	-	13.4	20	65	0
4-Chlorotoluene	2.008	1.861	-	7.3	20	74	0
tert-Butylbenzene	2.176	2.051	-	5.7	20	76	0
1,2,4-Trimethylbenzene	2.418	2.26	-	6.5	20	76	0
sec-Butylbenzene	3.154	3.063	-	2.9	20	77	0
p-Isopropyltoluene	2.723	2.611	-	4.1	20	77	0
1,3-Dichlorobenzene	1.346	1.235	-	8.2	20	75	0
1,4-Dichlorobenzene	1.375	1.25	-	9.1	20	77	0
p-Diethylbenzene	1.579	1.463	-	7.3	20	78	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies	**Lab Number**	: L2244958
Project Name	: JCC	**Project Number**	: N30.009.001
Instrument ID	: VOA105	**Calibration Date**	: 08/25/22 07:01
Lab File ID	: V05220825A01	**Init. Calib. Date(s)**	: 08/19/22 08/19/22
Sample No	: WG1679629-2	**Init. Calib. Times**	: 14:23 17:52
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.247	2.162	-	3.8	20	78	0
1,2-Dichlorobenzene	1.19	1.071	-	10	20	74	0
1,2,4,5-Tetramethylbenzene	2.102	1.875	-	10.8	20	75	0
1,2-Dibromo-3-chloropropan	0.061	0.047	-	23*	20	64	0
1,3,5-Trichlorobenzene	0.788	0.744	-	5.6	20	78	0
Hexachlorobutadiene	0.263	0.255	-	3	20	80	0
1,2,4-Trichlorobenzene	0.61	0.546	-	10.5	20	72	0
Naphthalene	1.194	0.967	-	19	20	66	0
1,2,3-Trichlorobenzene	0.484	0.411	-	15.1	20	71	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		Lab Number	: L2244958	
Project Name	: JCC		Project Number	: N30.009.001	
Instrument ID	: VOA122		Calibration Date	: 08/25/22 08:47	
Lab File ID	: V22220825A01		Init. Calib. Date(s)	: 07/28/22	07/28/22
Sample No	: WG1680118-2		Init. Calib. Times	: 20:02	23:46
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
Fluorobenzene	1	1	-	0	20	83	0	
Dichlorodifluoromethane	0.283	0.265	-	6.4	20	71	0	
Chloromethane	0.254	0.246	-	3.1	20	74	0	
Vinyl chloride	0.306	0.377	-	-23.2*	20	92	0	
Bromomethane	0.252	0.136	-	46*	20	48	0	
Chloroethane	0.223	0.341	-	-52.9*	20	112	0	
Trichlorofluoromethane	0.39	0.435	-	-11.5	20	84	0	
Ethyl ether	0.088	0.082	-	6.8	20	73	0	
1,1-Dichloroethene	0.208	0.249	-	-19.7	20	90	0	
Carbon disulfide	0.547	0.654	-	-19.6	20	91	0	
Freon-113	0.235	0.267	-	-13.6	20	85	0	
Acrolein	0.019	0.023	-	-21.1*	20	100	0	NT
Methylene chloride	0.242	0.262	-	-8.3	20	86	0	
Acetone	10	6.022	-	39.8*	20	60	0	
trans-1,2-Dichloroethene	0.231	0.267	-	-15.6	20	87	0	
Methyl acetate	0.08	0.076	-	5	20	74	0	
Methyl tert-butyl ether	0.423	0.345	-	18.4	20	65	0	
tert-Butyl alcohol	0.01189	0.00938*	-	21.1*	20	61	0	NT
Diisopropyl ether	0.55	0.465	-	15.5	20	71	0	
1,1-Dichloroethane	0.41	0.468	-	-14.1	20	86	0	
Halothane	0.182	0.194	-	-6.6	20	80	0	
Acrylonitrile	0.045	0.04	-	11.1	20	69	0	
Ethyl tert-butyl ether	0.536	0.435	-	18.8	20	69	0	
Vinyl acetate	0.304	0.254	-	16.4	20	78	0	
cis-1,2-Dichloroethene	0.254	0.286	-	-12.6	20	87	0	
2,2-Dichloropropane	0.344	0.395	-	-14.8	20	90	0	
Bromochloromethane	0.113	0.128	-	-13.3	20	84	0	
Cyclohexane	0.406	0.422	-	-3.9	20	80	0	
Chloroform	0.419	0.455	-	-8.6	20	83	0	
Ethyl acetate	0.113	0.081	-	28.3*	20	61	0	
Carbon tetrachloride	0.345	0.379	-	-9.9	20	82	0	
Tetrahydrofuran	0.043	0.035	-	18.6	20	62	0	
Dibromofluoromethane	0.295	0.31	-	-5.1	20	84	0	
1,1,1-Trichloroethane	0.369	0.408	-	-10.6	20	83	0	
2-Butanone	0.049	0.036	-	26.5*	20	71	0	
1,1-Dichloropropene	0.312	0.31	-	0.6	20	75	0	
Benzene	0.836	0.889	-	-6.3	20	83	0	
tert-Amyl methyl ether	0.47	0.365	-	22.3*	20	65	0	NT
1,2-Dichloroethane-d4	0.292	0.281	-	3.8	20	79	0	
1,2-Dichloroethane	0.268	0.269	-	-0.4	20	78	0	
Methyl cyclohexane	0.39	0.368	-	5.6	20	77	0	
Trichloroethene	0.234	0.237	-	-1.3	20	78	0	
Dibromomethane	0.134	0.141	-	-5.2	20	79	0	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		Lab Number	: L2244958	
Project Name	: JCC		Project Number	: N30.009.001	
Instrument ID	: VOA122		Calibration Date	: 08/25/22 08:47	
Lab File ID	: V22220825A01		Init. Calib. Date(s)	: 07/28/22	07/28/22
Sample No	: WG1680118-2		Init. Calib. Times	: 20:02	23:46
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
1,2-Dichloropropane	0.224	0.226	-	-0.9	20	79	0	
Bromodichloromethane	0.303	0.302	-	0.3	20	78	0	
1,4-Dioxane	0.00139	0.00125*	-	10.1	20	67	0	
cis-1,3-Dichloropropene	0.326	0.309	-	5.2	20	76	0	
Chlorobenzene-d5	1	1	-	0	20	81	0	
Toluene-d8	1.304	1.289	-	1.2	20	80	0	
Toluene	0.727	0.746	-	-2.6	20	81	0	
4-Methyl-2-pentanone	0.055	0.037	-	32.7*	20	55	0	
Tetrachloroethene	0.34	0.329	-	3.2	20	76	0	
trans-1,3-Dichloropropene	0.348	0.32	-	8	20	75	0	
Ethyl methacrylate	0.242	0.176	-	27.3*	20	55	0	NT
1,1,2-Trichloroethane	0.161	0.151*	-	6.2	20	74	0	
Chlorodibromomethane	0.285	0.272	-	4.6	20	76	0	
1,3-Dichloropropane	0.367	0.36	-	1.9	20	78	0	
1,2-Dibromoethane	0.195	0.185*	-	5.1	20	76	0	
2-Hexanone	0.093	0.053	-	43*	20	46	0	
Chlorobenzene	0.81	0.849	-	-4.8	20	83	0	
Ethylbenzene	1.417	1.473	-	-4	20	80	0	
1,1,1,2-Tetrachloroethane	0.287	0.261	-	9.1	20	75	0	
p/m Xylene	0.564	0.583	-	-3.4	20	81	0	
o Xylene	0.546	0.551	-	-0.9	20	80	0	
Styrene	0.883	0.875	-	0.9	20	79	0	
1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0	
Bromoform	0.308	0.272	-	11.7	20	75	0	
Isopropylbenzene	2.753	2.827	-	-2.7	20	81	0	
4-Bromofluorobenzene	0.9	0.88	-	2.2	20	79	0	
Bromobenzene	0.652	0.65	-	0.3	20	80	0	
n-Propylbenzene	3.212	3.379	-	-5.2	20	83	0	
1,4-Dichlorobutane	0.661	0.539	-	18.5	20	67	0	
1,1,2,2-Tetrachloroethane	0.439	0.432	-	1.6	20	80	0	
4-Ethyltoluene	2.669	2.764	-	-3.6	20	82	0	
2-Chlorotoluene	2.18	2.219	-	-1.8	20	82	0	
1,3,5-Trimethylbenzene	2.28	2.249	-	1.4	20	78	0	
1,2,3-Trichloropropane	0.368	0.335	-	9	20	73	0	
trans-1,4-Dichloro-2-buten	0.136	0.114	-	16.2	20	67	0	
4-Chlorotoluene	1.939	2.036	-	-5	20	84	0	
tert-Butylbenzene	2.264	2.266	-	-0.1	20	80	0	
1,2,4-Trimethylbenzene	2.614	2.572	-	1.6	20	78	0	
sec-Butylbenzene	2.772	2.865	-	-3.4	20	81	0	
p-Isopropyltoluene	2.385	2.429	-	-1.8	20	80	0	
1,3-Dichlorobenzene	1.276	1.321	-	-3.5	20	83	0	
1,4-Dichlorobenzene	1.275	1.327	-	-4.1	20	83	0	
p-Diethylbenzene	1.398	1.36	-	2.7	20	77	0	

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		**Lab Number**	: L2244958	
Project Name	: JCC		**Project Number**	: N30.009.001	
Instrument ID	: VOA122		**Calibration Date**	: 08/25/22 08:47	
Lab File ID	: V22220825A01		**Init. Calib. Date(s)**	: 07/28/22	07/28/22
Sample No	: WG1680118-2		**Init. Calib. Times**	: 20:02	23:46
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.963	2.054	-	-4.6	20	83	0
1,2-Dichlorobenzene	1.152	1.172	-	-1.7	20	81	0
1,2,4,5-Tetramethylbenzene	1.975	1.82	-	7.8	20	73	0
1,2-Dibromo-3-chloropropan	0.074	0.059	-	20.3*	20	62	0
1,3,5-Trichlorobenzene	0.74	0.698	-	5.7	20	75	0
Hexachlorobutadiene	0.241	0.208	-	13.7	20	71	0
1,2,4-Trichlorobenzene	0.623	0.559	-	10.3	20	71	0
Naphthalene	1.457	1.275	-	12.5	20	69	0
1,2,3-Trichlorobenzene	0.512	0.44	-	14.1	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: C&S Companies		Lab Number	: L2244958	
Project Name	: JCC		Project Number	: N30.009.001	
Instrument ID	: VOA108		Calibration Date	: 08/25/22 18:12	
Lab File ID	: V08220825N01		Init. Calib. Date(s)	: 07/28/22	07/28/22
Sample No	: WG1680167-2		Init. Calib. Times	: 00:06	03:16
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)	
Fluorobenzene	1	1	-	0	20	92	0	
Dichlorodifluoromethane	0.143	0.217	-	-51.7*	20	130	0	
Chloromethane	0.191	0.223	-	-16.8	20	101	0	
Vinyl chloride	0.204	0.245	-	-20.1*	20	103	0	
Bromomethane	0.141	0.101	-	28.4*	20	70	0	
Chloroethane	0.14	0.157	-	-12.1	20	99	0	
Trichlorofluoromethane	0.324	0.356	-	-9.9	20	97	0	
Ethyl ether	0.106	0.108	-	-1.9	20	90	0	
1,1-Dichloroethene	0.189	0.217	-	-14.8	20	101	0	
Carbon disulfide	0.509	0.624	-	-22.6*	20	108	0	
Freon-113	0.183	0.235	-	-28.4*	20	114	0	
Iodomethane	0.295	0.098	-	66.8*	20	33	0	NT
Acrolein	0.027	0.041	-	-51.9*	20	134	0	NT
Methylene chloride	0.251	0.256	-	-2	20	98	0	
Acetone	0.056	0.084	-	-50*	20	143	-.01	
trans-1,2-Dichloroethene	0.224	0.242	-	-8	20	96	0	
Methyl acetate	0.141	0.179	-	-27*	20	123	0	
Methyl tert-butyl ether	0.593	0.484	-	18.4	20	75	0	
tert-Butyl alcohol	0.019	0.017	-	10.5	20	81	-.01	
Diisopropyl ether	0.819	0.749	-	8.5	20	83	-.01	
1,1-Dichloroethane	0.449	0.44	-	2	20	87	-.01	
Halothane	0.18	0.183	-	-1.7	20	89	-.02	
Acrylonitrile	0.078	0.072	-	7.7	20	88	-.01	
Ethyl tert-butyl ether	0.767	0.791	-	-3.1	20	96	-.01	
Vinyl acetate	0.524	0.546	-	-4.2	20	99	-.01	
cis-1,2-Dichloroethene	0.262	0.263	-	-0.4	20	89	-.02	
2,2-Dichloropropane	0.373	0.33	-	11.5	20	80	-.01	
Bromochloromethane	0.125	0.138	-	-10.4	20	97	0	
Cyclohexane	0.373	0.449	-	-20.4*	20	111	-.01	
Chloroform	0.457	0.469	-	-2.6	20	91	-.01	
Ethyl acetate	0.205	0.246	-	-20	20	112	-.01	
Carbon tetrachloride	10	9.611	-	3.9	20	89	0	
Tetrahydrofuran	0.057	0.085	-	-49.1*	20	144	-.01	NT
Dibromofluoromethane	0.289	0.291	-	-0.7	20	95	-.02	
1,1,1-Trichloroethane	0.373	0.373	-	0	20	88	0	
2-Butanone	0.089	0.121	-	-36*	20	131	-.02	
1,1-Dichloropropene	0.301	0.322	-	-7	20	94	0	
Benzene	0.933	0.996	-	-6.8	20	95	-.01	
tert-Amyl methyl ether	0.634	0.586	-	7.6	20	83	-.01	
1,2-Dichloroethane-d4	0.315	0.343	-	-8.9	20	104	0	
1,2-Dichloroethane	0.342	0.376	-	-9.9	20	98	-.01	
Methyl cyclohexane	0.366	0.361	-	1.4	20	91	0	
Trichloroethene	0.241	0.259	-	-7.5	20	94	0	

* Value outside of QC limits.

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

APPENDIX B

GROUNDWATER USE CERTIFICATION

Jamestown Container Realty Inc.
14 Deming Drive
Falconer, NY 14733

August 18, 2022

Re: Site Name:	Dowcraft, South Dow Street
Site No:	907020
Site Address:	65 South Dow Street, Falconer, NY 14733

To Whom It May Concern,

This confirms that the above referenced property is owned by Jamestown Container Realty Inc. As the property owner, Jamestown Container Realty Inc. herby certifies that it is not using any ground water drawn from the property.

If you need anything further, please advise.

Sincerely,

Joseph R. Palmeri
Vice President / COO

APPENDIX C

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. 907020

Site Name Dowcraft, South Dow Street

Site Address: 65 South Dow Street Zip Code: 14733
City/Town: Falconer
County: Chautauqua
Site Acreage: 2.200

Reporting Period: October 31, 2021 to October 31, 2022

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 907020 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
104-12-2	Bruce Janowski, Jamestown Container Real	Ground Water Use Restriction Landuse Restriction Monitoring Plan O&M Plan

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

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 Engineering Control certification;

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

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES	NO
X	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 907020

Box 6

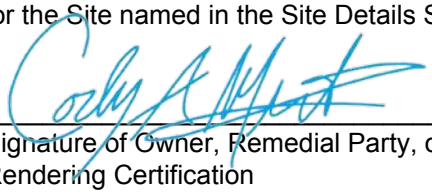
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 Cody Martin (print name) at C&S Engineers 141 Elm Street, Suite 100 Buffalo, NY (print business address),

am certifying as Designated Representative (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

11/30/2022
Date

APPENDIX D

SSDS INSPECTION REPORTS

mitigation tech *vapor intrusion specialists*

INSPECTION REPORT

October 3, 2022

Mr. Cody Martin
Project Manager
C & S Companies
141 Elm Street, Suite 100
Buffalo, NY 14203
Via email: Cody Martin <cmartin@cscos.com>

Re: Jamestown Container Companies – Buildings 5&6, 65 South Dow St., Falconer, NY
Inspection Report for Sub-slab Ventilation System

For work completed September 21, 2022

1. Conducted a visual inspection of the complete System (e.g., vent fan, piping, warning device, labeling on systems, etc.): **SATISFACTORY**
2. Conducted an inspection of all surfaces to which vacuum is applied: **SATISFACTORY**
3. Inspected all components for condition and proper operation: **SATISFACTORY**
4. Identify and repair any leaks: **NO LEAKS OBSERVED**
5. Inspect the exhaust or discharge points to verify that no air intakes have been located nearby: **NO AIR INTAKES WITHIN TEN FEET**
6. Conduct an airstream velocity measurement: **SATISFACTORY**
7. Conduct pressure field extension testing **SATISFACTORY**
    a. Stack 1 – 0.2 wci
    b. Stack 2 – 0.2 wci
    c. Test point 1 – -0.033 wci (near crawlspace entrance)
    d. Test point 2 - -0.040 wci (near fork lift ramp)
8. Interview an appropriate individual seeking comments and observations regarding the operation of the System: **SATISFACTORY**

Thank you

Nicholas E. Mouganis EPA listing # 15415-I; NEHA ID# 100722 ***mitigationtech.com

mitigation tech *vapor intrusion specialists*

INSPECTION REPORT

October 3, 2022

Mr. Cody Martin
Project Manager
C & S Companies
141 Elm Street, Suite 100
Buffalo, NY 14203
Via email: Cody Martin <cmartin@cscos.com>

Re: Jamestown Container Companies – Building 9, 65 South Dow St., Falconer, NY
Inspection Report for Sub-slab Depressurization System

For work completed September 21, 2022

1. Conducted a visual inspection of the complete System (e.g., vent fan, piping, warning device, labeling on systems, etc.): **SATISFACTORY**
2. Conducted an inspection of all surfaces to which vacuum is applied: **SATISFACTORY**
3. Inspected all components for condition and proper operation: **SATISFACTORY**
4. Identify and repair any leaks: **NO LEAKS OBSERVED**
5. Inspect the exhaust or discharge point to verify that no air intakes have been located nearby: **NO AIR INTAKES WITHIN TEN FEET**
6. Conduct an airstream velocity measurement: **SATISFACTORY**
7. Conduct pressure field extension testing: **SATISFACTORY**
   a. Stack 1 – (north) 1.8 wci
   b. Stack 2 – (south) 4.0 wci
   c. Test point 1 – (north) -0.073 wci
   d. Test point 2 - (north) -0.017 wci
8. Interview an appropriate individual seeking comments and observations regarding the operation of the System: **SATISFACTORY**

Thank you

Nicholas E. Mouganis EPA listing # 15415-I; NEHA ID# 100722 ***mitigationtech.com


0040


B5-2
.2"
1" WC/DIV
4
3
2
1
0
RadonAway
EASY READ
RADON SYSTEM
MONITOR
B/12/17
-2"
ELECTRICAL COST:


B5-1
.2"


B9-2
RadonAway
EASY READ


0.073


FLUKE 922 AIRFLOW METER
0017


B9-1

APPENDIX E

DAILY WORK REPORTS AND PHOTOGRAPHIC LOG

DAILY REPORT

PROJECT: FORMER DOWCRAFT SITE
PROJEC LOCATION: 65 SOUTH DOW STREET
C&S PROJECT NO. N30.001.008
SITE NO. 907020

DATE: 6/6/2022
DAY: S | M | T | W | TH | F | S

REPORT NO. 1

WEATHER	Sunny	Partly Cloudy	Overcast	Rain	Snow
TEMP.	Below 32	32-50	50-70	70-85	Above 85

WIND	Light	Moderate	High

WIND DIR.	NE	NW	SE	SW
	N	S	E	W

CONTRACTOR(S) ONSITE

Name of Contractor	Title	Hours Worked	Comments
NW Contracting	Driller/Laborer	8	

VISITORS

Name	Time	Representing	Comments

ONSITE EQUIPMENT

Batch Plant Direct push probe		

COMMUNITY AIR MONITORING

Issue	Time	Remedy	Comments
NA			

	Location	TWA PID (ppm)	TWA Particulate (mg/m3)
Upwind	NA		
Downwind	NA		

Health & Safety

Issue	Time	Remedy	Comments
None			

Description of Work

Start on IB-18
1. Drill to 42'
2. Inject in subsurface at a rate of 20gallons per foot
3. Lift casing up
4. Inject 4 batches in Silt Zone and 10 batches in Sand Zone

Completed: IB-18, IB-17 Stopped @ 16' Started IB-16 Stopped due to slow progress
Casings removed and found bottom 6" plugged. NW will develop a solution to prevent this issue.

PREPARED BY: C. Martin

DAILY REPORT

PROJECT: FORMER DOWCRAFT SITE
PROJEC LOCATION: 65 SOUTH DOW STREET
C&S PROJECT NO. N30.001.008
SITE NO. 907020

DATE: 6/7/2022
DAY: S M T W TH F S

REPORT NO. 2

WEATHER	Sunny	Partly Cloudy	Overcast	Rain	Snow
TEMP.	Below 32	32-50	50-70	70-85	Above 85

WIND	Light	Moderate	High

WIND DIR.	NE	NW	SE	SW
	N	S	E	W

CONTRACTOR(S) ONSITE

Name of Contractor	Title	Hours Worked	Comments
NW	Driller/Laborer		

VISITORS

Name	Time	Representing	Comments

ONSITE EQUIPMENT

"	"	

COMMUNITY AIR MONITORING

Issue	Time	Remedy	Comments
NA			

	Location	TWA PID (ppm)	TWA Particulate (mg/m3)
Upwind	NA		
Downwind	NA		

Health & Safety

Issue	Time	Remedy	Comments

Description of Work

Start on IB-16

Installed valve on injection casing to prevent plugging and improve/increase progress.

Completed: IB-16, IB-19, IB-15, IB-20, IB-14

PREPARED BY: C. Martin

DAILY REPORT

PROJECT: FORMER DOWCRAFT SITE
PROJEC LOCATION: 65 SOUTH DOW STREET
C&S PROJECT NO. N30.001.008
SITE NO. 907020

DATE: 6/8/22
DAY: S M T W TH F S

REPORT NO. 3

WEATHER	Sunny	Partly Cloudy	Overcast	Rain	Snow
TEMP.	Below 32	32-50	50-70	70-85	Above 85

WIND	Light	Moderate	High

WIND DIR.	NE	NW	SE	SW
	N	S	E	W

CONTRACTOR(S) ONSITE

Name of Contractor	Title	Hours Worked	Comments
"	"	"	

VISITORS

Name	Time	Representing	Comments

ONSITE EQUIPMENT

"		

COMMUNITY AIR MONITORING

Issue	Time	Remedy	Comments
N/A			

	Location	TWA PID (ppm)	TWA Particulate (mg/m3)
Upwind	NA		
Downwind	NA		

Health & Safety

Issue	Time	Remedy	Comments
None			

Description of Work

Start on IB-21

~~IB-21~~, IB-13, IB-~~23~~ 23, IB-12

Complete: IB-22, ~~IB-23, IB-24, IB-11, IB-12~~

ZVI was mix at a rate of 1 gal per batch. This rounding up of the actual quantity is running through ZVI at a slightly higher rate. The mix ratio was reduced to 0.5 gal per batch starting tomorrow. BDI is running low. Regenesis only sent 18.7L. Need 23L more. Contacted Regenesis

PREPARED BY: C. Matin

DAILY REPORT

PROJECT: FORMER DOWCRAFT SITE
PROJEC LOCATION: 65 SOUTH DOW STREET
C&S PROJECT NO. N30.001.008
SITE NO. 907020

DATE:
DAY: S M T W TH F S

REPORT NO. 4

WEATHER	Sunny	Partly Cloudy	Overcast	Rain	Snow
TEMP.	Below 32	32-50	50-70	70-85	Above 85

WIND	Light	Moderate	High

WIND DIR.	NE	NW	SE	SW
	N	S	E	W

CONTRACTOR(S) ONSITE

Name of Contractor	Title	Hours Worked	Comments

VISITORS

Name	Time	Representing	Comments

ONSITE EQUIPMENT

COMMUNITY AIR MONITORING

Issue	Time	Remedy	Comments
NA			

	Location	TWA PID (ppm)	TWA Particulate (mg/m3)
Upwind	NA		
Downwind	NA		

Health & Safety

Issue	Time	Remedy	Comments
None			

Description of Work

Start on ~~IB-10~~ ~~IB-09~~ IB-11

Start reduced ZVI after completing IB-~~10~~ 11.

Complete: ~~IB-10, IB-09, IB-25, IB-26~~
IB-11, IB-24, IB-25, IB-26

Regenesis will send another BDI next week

PREPARED BY: C. Martin

DAILY REPORT

PROJECT: FORMER DOWCRAFT SITE
PROJEC LOCATION: 65 SOUTH DOW STREET
C&S PROJECT NO. N30.001.008
SITE NO. 907020

DATE:
DAY: S M T W TH F S

REPORT NO. 5

WEATHER	Sunny	Partly Cloudy	Overcast	Rain	Snow
TEMP.	Below 32	32-50	50-70	70-85	Above 85

WIND	Light	Moderate	High

WIND DIR.	NE	NW	SE	SW
	N	S	E	W

CONTRACTOR(S) ONSITE

Name of Contractor	Title	Hours Worked	Comments

VISITORS

Name	Time	Representing	Comments

ONSITE EQUIPMENT

COMMUNITY AIR MONITORING

Issue	Time	Remedy	Comments
None			

	Location	TWA PID (ppm)	TWA Particulate (mg/m3)
Upwind	NA		
Downwind	NA		

Health & Safety

Issue	Time	Remedy	Comments
None			

Description of Work

Started IB-27

Complete: IB-27, IB-~~06~~ 06, IB-~~10~~, IB-~~03~~ IB-08, IB-09

PREPARED BY: C. Martin

DAILY REPORT

PROJECT: FORMER DOWCRAFT SITE
PROJEC LOCATION: 65 SOUTH DOW STREET
C&S PROJECT NO. N30.001.008
SITE NO. 907020

DATE: 6/13/22
DAY: S M T W TH F S

REPORT NO. 6

WEATHER	Sunny	Partly Cloudy	Overcast	Rain	Snow
TEMP.	Below 32	32-50	50-70	70-85	Above 85

WIND	Light	Moderate	High

WIND DIR.	NE	NW	SE	SW
	N	S	E	W

CONTRACTOR(S) ONSITE

Name of Contractor	Title	Hours Worked	Comments
"	"		

VISITORS

Name	Time	Representing	Comments

ONSITE EQUIPMENT

"	"	

COMMUNITY AIR MONITORING

Issue	Time	Remedy	Comments
NA			

	Location	TWA PID (ppm)	TWA Particulate (mg/m3)
Upwind	N/A		
Downwind	N/A		

Health & Safety

Issue	Time	Remedy	Comments
None			

Description of Work

Complete: IB-05, ~~IB-06~~, ~~IB-28~~, ~~IB-~~
IB-31, IB-30, IB-03, IB-04
IB-05

PREPARED BY: _____

DAILY REPORT

PROJECT: FORMER DOWCRAFT SITE
PROJEC LOCATION: 65 SOUTH DOW STREET
C&S PROJECT NO. N30.001.008
SITE NO. 907020

DATE: 6/14/2022
DAY: S M T W TH F S

REPORT NO. 7

WEATHER	Sunny	Partly Cloudy	Overcast	Rain	Snow
TEMP.	Below 32	32-50	50-70	70-85	Above 85

WIND	Light	Moderate	High

WIND DIR.	NE	NW	SE	SW
	N	S	E	W

CONTRACTOR(S) ONSITE

Name of Contractor	Title	Hours Worked	Comments

VISITORS

Name	Time	Representing	Comments

ONSITE EQUIPMENT

COMMUNITY AIR MONITORING

Issue	Time	Remedy	Comments
N/A			

	Location	TWA PID (ppm)	TWA Particulate (mg/m3)
Upwind	NA		
Downwind			

Health & Safety

Issue	Time	Remedy	Comments
NA			

Description of Work

Started IB-02

Slightly increase mix rate to use up remaining product

1 gal ZVI

2 gal 3D

Complete: IB-02, IB-01, IB-28, ~~IB-28~~ IB-07

IB-29

PREPARED BY: _____

Photo Documentation

Project: Former Dowcraft Site (Site #907020)
Falconer, New York

Photo 1 – Injection borings laid out as shown in Work Plan.

Photo 2 – Injection borings laid out as shown in Work Plan.

Photo Documentation

Project: Former Dowcraft Site (Site #907020)
Falconer, New York

Photo 3 – Injection chemical properly stored until needed.

Photo 4 – View of injection and staging area.

Photo Documentation

Project: Former Dowcraft Site (Site #907020)
Falconer, New York

Photo 5 – Injection of chemicals