

Ocean State Jobbers, Inc.

Site Investigation Report

2102-2150 Middle Country Road

Centereach, Suffolk County, New York

July 2021

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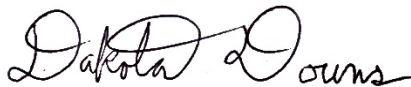
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Acronyms and Abbreviations

Arcadis	Arcadis US, Inc.
bgs	below ground surface
DM1	digital micro manometer
ECC	ECC Horizon
GC	gas chromatography
GC/MS	gas chromatography-mass spectrometry
J	estimated value
LAWES	Land, Air, Water Environmental Services, Inc.
mg/L	milligram per liter
ml/g	milliliter per gram
ml/min	milliliter per minute
NYS DEC	New York State Department of Environmental Conservation
NYS DOH	New York State Department of Health
NY-TOGS-GA	New York Technical and Operational Guidance 1.1.1 Groundwater Effluent Limitations
OSJL	Ocean State Job Lot
PCE	tetrachloroethene
PPE	personal protective equipment
ppm	part per million
PID	photoionization detector
PVC	polyvinyl chloride
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
SCDHS	Suffolk County Department of Health Services
SSDS	sub-slab depressurization system
TCE	Trichloroethene
TCL	target compound list
ug/m ³	micrograms per cubic meter
ug/L	microgram per liter
USEPA	United States Environmental Protection Agency
VI	vapor intrusion
VOC	volatile organic compound

Executive Summary

Arcadis U.S., Inc. (Arcadis) performed an investigation of a shopping plaza located at 2102 – 2150 Middle Country Road, Centereach, Suffolk County, New York (site) to evaluate environmental conditions. An environmental investigation by a prospective buyer of a portion of the property found evidence of a potential vapor intrusion (VI) hazard related to tetrachloroethylene (PCE) in sub-slab soil vapor. Historical records indicated that a dry cleaner occupied the portion of the plaza identified as 2130 Middle Country Road in the late 1980's/early 1990's, and that they used PCE, and were listed as a Resource Conservation and Recovery Act (RCRA) generator of PCE.

Arcadis conducted additional investigation to evaluate the potential for VI throughout the plaza, and to evaluate potential sources of PCE in soil vapor. Arcadis also conducted a pilot test to inform design specifications of a sub-slab depressurization system (SSDS) to mitigate risks associated with VI. The results of these investigations are summarized below.

Indoor Air and Sub-slab Soil Vapor Sampling

The prospective buyer's consultant, ECC Horizon (ECC), collected three sub-slab soil vapor samples and an indoor air sample from the northeast corner of the space occupied by the Ocean State Job Lot (OSJL). The sub-slab analytical results indicate PCE concentrations were above the New York State Department of Health (NYS DOH) criteria at which mitigation is required for a VI.

Arcadis collected additional sub-slab and indoor air samples throughout the plaza. The analytical results of those samples indicated that concentrations of PCE in sub-slab soil vapor and indoor air were above the concentrations set by NYS DOH as requiring VI mitigation. The highest concentrations were detected in the OSJL store and storage area on the western end of the plaza.

Septic System Sampling

Previous reports indicated that four septic systems are located on the property:

- 1 active system on the western end of the property that serves the current OSJL store
- 1 abandoned system on the western end of the property that served the Pathmark grocery store that formerly occupied the OSJL space
- 1 active system north of the 2 small vacant spaces in the middle of the plaza that services the 3 small spaces and the larger spaces on the eastern end of the plaza
- 1 active system that services the Bank on the northeast side of the property.

Boehler Engineering collected samples from the active system on the western end of the site on behalf of the buyer, and Arcadis collected one additional sample from a manhole that was not included in their sampling. Arcadis also collected samples from the active system north of the small vacant spaces.

PCE was not detected above the Suffolk County Department of Health Services (SCDHS) Action Limits in the samples from the western septic system. Toluene and methylene chloride were detected in samples from some of the leaching pools at concentrations above the SCDHS Action Limits. The results were submitted to SCDHS by Boehler, and SCDHS required actions to be taken in response to the results, including cleaning out the leaching pools.

Analytical results for samples collected from the septic system north of the site building showed that all locations had PCE, but concentrations were below the SCDHS Action Limits. Other compounds were detected at concentrations above the SCDHS Action Limits, including toluene, 1,4 dichlorobenzene, and 2 butanone. It is our understanding that OSJ is arranging for these leaching pools to be cleaned out along with the western system pools.

Groundwater Sampling

Arcadis and Land, Air, Water Environmental Services, Inc. (LAWES) installed four groundwater monitoring wells at the site. Two wells were located north of the site septic systems, and two wells were located south of the systems. The wells were installed to depths of 53 to 56 feet below the ground surface, and groundwater was encountered at 43 to 47 feet below ground surface (bgs). Field screening of soil during well installation did not indicate the presence of contamination.

Laboratory analysis detected PCE in groundwater samples from three wells, with the highest concentration detected in the sample from the well south of the former dry cleaner space, and the lowest concentration south of the western septic system. PCE was not detected in the sample north of the western septic system.

The concentrations of PCE ranged from 0.19 micrograms per liter (ug/l) to 4.6 ug/l. The concentrations of PCE were below the applicable NYS Ambient Water Quality Standard of 5 ug/l.

Pilot Test and Sub-slab Depressurization System Design

Arcadis conducted a pilot test to evaluate site characteristics that would dictate the design of a subslab depressurization system for the site. During the pilot test, Arcadis performed the following activities:

- Sealed cracks in the floor to limit short circuiting of air during the test.
- Installed monitoring points to be used during the test.
- Installed pilot extraction points in 4 locations to run the tests.
- Extracted air at various flow rates from the pilot test holes using a skid mounted regenerative blower and measured the response at monitoring points.
- Evaluated data as the tests were being conducted and adjusted blower operating conditions based on the monitoring point responses.

Based on the results of the results of the pilot test, Arcadis expects that the installation of seven RadonAway HS5500 high pressure blowers for the current OSJL store space, two for the vacant restaurant space, and three for the former Ace Hardware space will be adequate to mitigate the vapor intrusion risk in the plaza building.

Conclusions

Based on the results of this investigation, it appears that there may have been historic releases of PCE from the former dry cleaner to the northern septic system. Concentrations of PCE detected in groundwater and the septic system leaching pools did not exceed applicable standards. PCE was detected in sub-slab soil vapor and indoor air at concentrations that require mitigation per the NYS DOH vapor intrusion guidance.

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Concentrations of other contaminants which may be related to cleaning products were detected in the site septic system at concentrations above the SCDHS Action Limits, and therefore the septic system must be cleaned out per the SCDHS guidance.

SCDHS has also requested additional actions, including registering all septic and stormwater infiltration systems with the US Environmental Protection Agency.

1 Introduction

Arcadis performed an investigation of a shopping plaza located at 2102 – 2150 Middle Country Road, Centereach, Suffolk County, New York (site) to evaluate environmental conditions. The investigation included indoor air sampling, sub-slab soil vapor sampling, groundwater sampling, and septic system sampling. Arcadis also conducted a pilot test to inform the design of a subslab depressurization system (SSDS) to mitigate VI. The results of these investigations are summarized in this report.

2 Site Description

The site consists of a shopping plaza occupied by a bank on the north side near Middle Country Road, and a larger retail building on the south side. The larger retail building is occupied by an OSJL store and a card shop, with some additional unoccupied spaces. Addresses of the various tenant spaces range from 2102 to 2150 Middle Country Road. The site location is shown on Figure 1, and site layout is shown on Figure 2.

3 Background Information

ECC Horizon (ECC) prepared Phase I and Phase II Environmental Site Assessment Reports for the portion of the site currently occupied by the OSJL store for 2112 Middle Country Realty LLC. The Phase I ESA was dated December 21, 2020, and the Phase II ESA was dated March 19, 2021. ECC identified two Recognized Environmental Conditions (REC) at 2150 Middle Country Road based on historical records:

- A dry cleaner operated in the plaza from approximately 1975 to 1996.. ECC stated that continuous disposal documentation for dry cleaning solvents was not found in available records.
- The supermarket which formerly occupied the OSJL space was identified as a non-RCRA hazardous waste generator and it was connected to an on-site sewage disposal system with a grease trap.

ECC recommended additional investigation to determine if a release to the environment had occurred.

ECC collected indoor air and sub-slab soil vapor samples from the OSJL store, and soil and sediment samples from the former septic system. Both sub-slab soil vapor and indoor air sample results had detections of PCE, a chlorinated solvent commonly associated with dry cleaning. Results for the soil and sediment, from the on-site septic system, revealed concentrations of some metals and volatile organic compounds (VOCs) above New York State Department of Environmental Conservation (NYS DEC) guidelines. The soil and sediment results table, from ECC's Phase II report, indicated that PCE was not detected.

4 Sub-slab Soil Vapor Sampling

On May 19, 2021, Arcadis installed twelve stainless steel Vapor Pins™ for sub-slab soil vapor sampling. Each Vapor Pin was sealed to prevent air leakage and fitted with a flush mounted cover. To ensure a tight seal, a water dam test was conducted at each Vapor Pin location prior to sample collection to check for leakage. The soil vapor points were installed in accordance with the Arcadis Technical Guidance Instructions for Sub-Slab Soil Vapor Sampling Point Installation Using Vapor Pin™ Approach.

On May 20, 2021, Arcadis collected twelve sub-slab soil vapor samples from the monitoring locations using 2.7-liter summa canisters each equipped with a flow controller set to collect at a rate of 144 milliliters per minute (ml/min). These samples were collected from the OSJL store, OSJL storage, vacant former restaurant, vacant former medical center/dry cleaners, vacant former Ace Hardware, and vacant former furniture store. On June 17, 2021, Arcadis collected two pilot test related samples, one sample from the suction point SP-2 in the OSJL storage area and one sample from the suction point SP-4 in the vacant former Ace Hardware. On June 18, 2021, Arcadis collected an additional pilot test related sample from suction point SP-3 in the vacant former medical center/dry cleaners. On June 22, 2021, Arcadis collected one final pilot test related sample from suction point SP-1 in the OSJL store. Pilot test related samples were collected with the same size summa canisters and flow collection rate as the sub-slab soil vapor samples. All sub-slab soil vapor and pilot test related samples were transported under chain of custody protocol to Alpha Analytical of Mansfield, Massachusetts for VOCs via United States Environmental Protection Agency (USEPA) method TO-15. Results for these samples can be found in section 9.1 of this report and in Table 3.

5 Indoor Air Sampling

On May 18, 2021, Arcadis collected seven indoor air samples and one ambient air sample, using 6-liter summa canisters with 8-hour flow controllers. Indoor air samples were collected prior to sub-slab soil vapor sampling to avoid cross-contamination. The indoor air samples were collected from inside the OSJL store, card store, vacant former restaurant, vacant former medical center/dry cleaner, vacant former Ace Hardware, and vacant former furniture store. The ambient air sample was collected from the western portion of the parking lot near OSJL. Each sample was transported under chain of custody protocol to Alpha Analytical of Mansfield, Massachusetts for VOCs via USEPA method TO-15. Results for these samples can be found in section 9.2 of this report and in Table 3.

6 Monitoring Well Installation and Sampling

6.1 Monitoring Well Installation and Development

Between May 26 and June 1, 2021, Arcadis and LAWES of Center Moriches, New York, installed four groundwater monitoring wells. Air within the breathing zone was monitored using a Honeywell MiniRae 3000+ photoionization detector (PID) during installation.

A total of 4 soil borings were advanced using a hollow stem auger with a 4.25 inch inside diameter. Soil borings were advanced until the water table was observed, which was approximately 43 to 47 feet bgs. Field scientists logged soil characteristics from the cores and screened select areas of the soil cores with a PID. Soil boring logs are attached as Appendix E. Soil from the soil borings was placed in 55-gallon stainless steel drums on site.

The four soil borings were converted to groundwater monitoring wells. Each monitoring well was constructed of schedule 40, 2-inch diameter polyvinyl chloride (PVC) consisting of a 10-foot-long well screen with 0.02-inch slots and a PVC riser. The well screen was installed to intersect the water table. A sand pack was installed from the bottom of the well screen to 2 feet above the well screen. A two foot thick layer of fine sand was installed over the sand pack, then a two foot thick layer of bentonite was installed above that. The remaining space was filled with grout to the ground surface, and the well was finished with an eight inch diameter road box.

Monitoring wells were developed on June 3, 2021 using a surge method with a hurricane pump. The surge method was used to flush water in and out of the well screen to remove fines and establish a connection with the aquifer. The sediment and groundwater collected during well development activities was placed in 55-gallon stainless steel drums on site. The approximate locations of the monitoring wells are depicted on Figure 2 and well completion and development logs are provided in Appendix D.

6.2 Groundwater Sampling

On June 10, 2021, Arcadis collected four groundwater samples from the groundwater monitoring wells. Prior to sampling Arcadis monitored groundwater levels and used a PID to monitor VOC headspace in the well. Samples were collected from the monitoring wells using a decontaminated non-dedicated 2-inch diameter stainless steel submersible pump and following standard low-flow sampling techniques. Between each groundwater sample the submersible pump was decontaminated by scrubbing it down with Micro-90®, followed by a distilled water rinse. Field parameters (pH, specific conductance, temperature, dissolved oxygen, oxidation reduction potential, and turbidity) were monitored for at least 30 minutes, at which point stabilization criteria was assessed for sampling purposes. Groundwater sampling logs are provided in Appendix C.

A groundwater sample was collected from each monitoring well and transported under chain of custody protocol to Alpha Analytical of Westborough, Massachusetts for analysis of VOCs via USEPA method 8260C. One trip blank was placed in the groundwater sampling cooler when shipped to the laboratory and analyzed for VOCs. An equipment blank was collected from a decontaminated submersible pump and analyzed for VOCs.

Results for these samples can be found in section 9.3 of this report and in Table 2. The laboratory analytical reports are provided in Appendix B.

7 Septic System Sampling

On June 4, 2021, Arcadis and LAWES collected a total of five solid samples from the onsite leaching pool areas. The solid samples were collected from select leach pools with a hand auger lowered into the leaching pool. Between each sample, LAWES decontaminated the hand auger by brushing the auger down with water. These samples included one sample from the septic system west of OSJL and four samples from the septic system north of the small vacant spaces. The solid samples were transported under chain of custody protocol to Alpha Analytical of Westborough, Massachusetts for VOCs via USEPA method 8260, semi volatile organic compounds (SVOC) via USEPA method 8270, total metals via USEPA method 6010 and 7471, and total solids via USEPA method 2540. Sample SP-1 was additionally analyzed for target compound list (TCL) pesticides via USEPA method 8081 and herbicides via USEPA method 8151.

An equipment blank was collected from the decontaminated hand auger and transported under chain of custody protocol to Alpha Analytical of Westborough, Massachusetts for VOCs by gas chromatography-mass spectrometry (GC/MS), SVOCs by GC/MS, pesticides by gas chromatography (GC), herbicides by GC, and total metals via USEPA method 6010 and 7470. One trip blank was placed in the groundwater sampling cooler when shipped to the laboratory and analyzed for VOCs.

Results for these samples can be found in section 9.4 of this report and in Table 5. The laboratory analytical reports are provided in Appendix B.

8 Sub-slab Depressurization System Pilot Test

Between June 14 and June 22, 2021, Arcadis conducted a pilot test to inform the design of an SSDS for the site.

8.1 Pilot Test Preparation

Between June 14 and June 16, 2021, Arcadis prepared for the pilot test by sealing cracks in the floor to limit the short circuiting of air during the test.

Arcadis installed an additional sixteen permanent soil vapor monitoring points to be used during the test. The points were installed with the same methods as the soil-gas monitoring points and were also leak checked with a water dam test in accordance with the Arcadis Technical Guidance Instructions for Sub-Slab Soil Vapor Sampling Point Installation Using Vapor Pin™ Approach. These points were installed throughout the plaza including in the OSJL store, OSJL storage, vacant former restaurant, vacant former Ace Hardware, and vacant former furniture store.

Arcadis also installed five temporary soil vapor monitoring points to be used during the test. The temporary points were installed by drilling 1/4-inch holes through the floor slab. The points were then temporarily sealed with VOC-free modeling clay.

Arcadis installed four extraction points for use during the pilot test. The extraction points were installed by coring a 6-inch diameter hole through the floor slab and then excavating approximately 10 to 15 gallons of soil. The soil was removed in an outward direction from the base of the slab to the furthest extent possible creating a small void space beneath the floor slab. The soil was stored in labeled 55-gallon steel drums for disposal. Extraction points were installed within the OSJL store, OSJL storage, vacant former medical center/dry cleaners, and vacant former Ace Hardware. The extraction point within the OSJL store was installed on June 21, 2021.

8.2 Pilot Test Procedure

Between June 17 and June 22, 2021, Arcadis performed the pilot test for the plaza at each extraction point.

Prior to turning the blower on, vacuum was measured at the surrounding soil vapor monitoring points using an Infiltac DM1 Micro-Manometer (DM1) to establish baseline conditions. Throughout the pilot test, vacuum influence was measured at surrounding soil vapor monitoring points using a DM1. Typically, two rounds of monitoring data were gathered for each time the blower was adjusted. Arcadis adjusted the blower operating conditions for each subsequent test based on readings obtained during the previous test.

During each round of monitoring activities, VOCs and extraction point vacuum was monitored via sample port near the extraction point. At the blower, flow rate was measured using a Venturi flow meter and blower vacuum was measured with a manometer.

9 Comparison Criteria

9.1 Indoor Air and Sub-slab Soil Vapor Comparison Criteria

The indoor air and sub-slab soil vapor sample analytical results were compared to the NYS DOH vapor intrusion guidance levels, shown in Table 1 and Table 2 below. Table 1 applies to trichloroethene and carbon tetrachloride, and Table 2 applies to PCE and methylene chloride. The sampling results for each location, including the OSJL store, OSJL storage, card store, vacant former restaurant, vacant former medical center/dry cleaners, vacant former Ace Hardware, and vacant former furniture store, were compared to these tables, as shown in Table 3. Both the indoor air and sub-slab vapor analytical results are used in the matrix to determine the appropriate response action,

Table 1: NYS DOH Soil Vapor/Indoor Air Matrix A

	Indoor Air Concentration of Compound (ug/m ³)		
Sub-slab Vapor Concentration of Compound (ug/m ³)	< 0.2	0.2 to < 1	1 and above
< 6	No further action	No further action	Identify Source(s) and Resample or Mitigate
6 to < 60	No further action	Monitor	Mitigate
60 and above	Mitigate	Mitigate	Mitigate
Applies to Trichloroethene (TCE) and Carbon Tetrachloride			

Table 2: NYS DOH Soil Vapor/Indoor Air Matrix B

	Indoor Air Concentration of Compound (ug/m ³)		
Sub-slab Vapor Concentration of Compound (ug/m ³)	< 3	3 to < 10	10 and above
< 100	No further action	No further action	Identify Source(s) and Resample or Mitigate
100 to < 1,000	No further action	Monitor	Mitigate
1,000 and above	Mitigate	Mitigate	Mitigate
Applies to Tetrachloroethene (PCE) and Methylene Chloride			

9.2 Groundwater Comparison Criteria

The groundwater samples were compared to New York Technical and Operational Guidance 1.1.1 Groundwater Effluent Limitations (NY-TOGS-GA) as shown in Table 4.

9.3 Septic System Comparison Criteria

The septic system samples were compared to both the SCDHS Action Level and SCDHS Cleanup Objectives criteria as shown in Table 5.

10 Investigation Results

10.1 Sub-slab Soil Vapor

Sub-slab soil vapor and pilot test related sample analytical results are presented in Table 3 and PCE results are shown on Figure 3.

The following sub-slab soil vapor samples had PCE concentrations at 1,000 ug/m³ or above which represents the range of concentrations at which mitigation is required per NYS DOH matrix:

- SS-4, SS-6, SS-7, and SP-1 in the OSJL store.
- SS-8, SS-9, and SP-2 in the OSJL storage area.
- SS-10 in the vacant former restaurant.
- SS-11, SS-12, and SP-3 in the vacant former medical center/dry cleaners.
- SS-13 and SS-14 in the vacant former Ace Hardware.

The following sub-slab soil vapor samples had PCE concentrations between 100 ug/m³ and < 1,000 ug/m³ which represents the range of concentrations at which the response actions will be dictated by the corresponding indoor air concentration per NYS DOH matrix:

- SS-5 in the OSJL store.
- SS-14 in the vacant former Ace Hardware.
- SS-15 in the vacant former furniture store.

The following sub-slab soil vapor samples had methylene chloride concentrations < 100 ug/m³ which represents the range of concentrations at which the response actions will be dictated by the corresponding indoor air concentration per NYS DOH matrix:

- SS-12 in the vacant former medical center/dry cleaners.
- SS-14 in the vacant former Ace Hardware.
- SS-15 in the vacant former furniture store.

The sample SS-9, located in the OSJL storage area, had a detection in trichloroethene which put it at the medium level of the NYS DOH criteria at which the response decision is based on indoor air testing results.

10.2 Indoor Air

Indoor air analytical results are presented in Table 3 and Figure 3.

The following indoor air samples had PCE concentrations between 3 ug/m³ to < 10 ug/m³ which represents the range of concentrations at which the response actions will be dictated by the corresponding sub-slab soil vapor concentrations per NYS DOH matrix:

- IA-1 in the OSJL store.
- IA-2 in the OSJL storage area.

The following indoor air samples had PCE concentrations < 3 ug/m³ which represents the range of concentrations at which the response actions will be dictated by the corresponding sub-slab soil vapor concentrations per NYS DOH matrix:

- IA-3 in the card store.
- IA-4 in the vacant former restaurant.
- IA-5 in the vacant former medical center/dry cleaners.
- IA-6 in the vacant former Ace Hardware.
- IA-7 in the vacant former furniture store.

Some other compounds were detected in the samples, but are not drivers for determining the need for mitigation of VI due to their low frequency or concentration, or their distribution between indoor air and soil vapor.

10.3 Groundwater

On June 10, 2021, four groundwater samples were collected from the onsite groundwater monitoring wells.

The following groundwater samples, along with the detected compounds, are listed below:

- MW-1, MW-3, and MW-4 had detections of PCE.
- MW-3 had a detection of acetone, but acetone was also detected in the equipment blank, and is therefore not believed to be a site contaminant.

None of the compounds detected in the samples exceeded applicable GA-groundwater objectives.

The equipment blank had detections of acetone and chloroform. No analytes were detected in groundwater sample MW-2 and the trip blank.

A summary of the analytical results is included in Table 4.

10.4 Septic System Sampling

On June 4, 2021 Arcadis collected a total of five solid samples from onsite leaching pool areas. Sample #14 was collected from the leaching pool area west of the OSJL store. Samples SP-1, SP-2, SP-3, and SP-4 were collected from the leaching pool area north of the vacant spaces.

The five septic system samples had PCE detections, however, did not exceed the SCDHS Action Level or SCDHS Cleanup Objective criteria.

The following septic system samples, including the detected compounds, exceeded the SCDHS Cleanup Objective criteria for the detected compounds:

- SP-1, SP-2, and SP-4 had detections of chromium and silver.

- SP-4 had a detection of arsenic.
- #14 had a detection of chromium.

Sampling location #14 had detections of toluene, 1,4-dichlorobenzene, and 2-butanone, all of which exceeded both the SCDHS Action Level and SCDHS Cleanup Objective criteria.

Sampling location SP-1 had a detection of 2-butanone which exceeded both the SCDHS Action Level and SCDHS Cleanup Objective criteria. SP-1 was also analyzed for herbicides and pesticides, both of which came back as non-detect for associated compounds.

10.5 Sub-slab Depressurization System Pilot Test

Arcadis used the results of the SSDS pilot test to address the VI at the site. Based on the results of the pilot test, Arcadis expects that the installation of seven RadonAway HS5500 high pressure blowers for the current OSJL store space, two for the vacant former restaurant space, and three for the vacant former Ace Hardware space will be adequate to mitigate the vapor intrusion risk in the plaza building.

11 Conclusions

Based on the results of this investigation, it appears that there may have been historic releases of PCE from the former dry cleaner to the northern septic system. Concentrations of PCE detected in groundwater and the septic system leaching pools did not exceed applicable standards. PCE was detected in sub-slab soil vapor and indoor air at concentrations that require mitigation per the NYS DOH vapor intrusion guidance.

Concentrations of other contaminants which may be related to cleaning products were detected in the site septic system at concentrations above the SCDHS Action Limits, and therefore the septic system must be cleaned out per the SCDHS guidance.

SCDHS has also requested additional actions, including registering all septic and stormwater infiltration systems with the US Environmental Protection Agency.

Based on the results of the pilot test, Arcadis expects that the installation of seven RadonAway HS5500 high pressure blowers for the current OSJL store space, two for the vacant former restaurant space, and three for the vacant former Ace Hardware space will be adequate to mitigate the vapor intrusion risk in the plaza building.

13 References

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Tables

Table 3
Indoor Air and Sub-slab Soil Vapor Analytical Results
Ocean State Job Lot
Centereach, NY

Parameter	Sample ID	IA-1	SS-4	SS-5	SS-6	SS-7	SP-1	IA-2	SS-8	SS-9	SP-2	IA-3	IA-4	SS-10
	Sample Date	5/18/2021	5/20/2021	5/20/2021	5/20/2021	5/20/2021	6/22/2021	5/18/2021	5/20/2021	5/20/2021	6/17/2021	5/18/2021	5/18/2021	5/20/2021
	Location	Ocean State Job Lot Store						Ocean State Job Lot Storage				Card Store	Former Restaurant	
	Decision per Matrix	Mitigate						Mitigate				NA	Mitigate	
VOCs by USEPA Method TO-15 (ug/m ³)														
Acetone		53.4	28	22.2	ND	283	ND	46.8	311	128	ND	17.8	ND	65.6
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND
Carbon disulfide		2.9	ND	ND	ND	ND	ND	2.77	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		0.988	ND	ND	ND	ND	ND	0.962	ND	ND	ND	0.497	0.421	ND
Chloroform		2.92	ND	ND	ND	ND	ND	2.11	ND	ND	ND	ND	ND	ND
Chloromethane		2.11	ND	ND	ND	ND	ND	1.9	ND	ND	ND	1.18	1.08	ND
Cyclohexane		1.25	ND	ND	ND	ND	ND	0.957	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		2.25	ND	2.67	ND	ND	ND	2.27	ND	ND	ND	2.27	2.36	ND
Ethanol		626	347	273	ND	609	471	584	ND	639	ND	396	20.2	462
Ethyl Acetate		12.2	ND	ND	ND	ND	ND	9.12	ND	ND	ND	ND	ND	ND
Ethylbenzene		4.1	ND	ND	ND	ND	ND	4.16	ND	ND	ND	ND	ND	ND
Heptane		ND	ND	ND	ND	ND	ND	1.02	ND	ND	ND	ND	ND	ND
Isopropanol		74	12.3	14.5	ND	ND	ND	72.3	ND	56.5	ND	9.46	6.98	ND
Methylene chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane		0.93	ND	ND	ND	ND	ND	0.807	ND	ND	ND	ND	ND	ND
o-Xylene		8.3	ND	1.92	ND	ND	ND	6.69	ND	ND	ND	ND	ND	ND
p/m-Xylene		16.5	ND	4.14	ND	ND	ND	14.2	ND	ND	ND	ND	ND	ND
Styrene		3.41	ND	ND	ND	ND	ND	6.26	ND	ND	ND	ND	ND	ND
Tertiary butyl Alcohol		ND	7.43	6.91	ND	ND	ND	2.74	ND	ND	ND	ND	ND	ND
Tetrachloroethene		4.81	1,420	997	7,530	25,100	13,300	7.12	42,600	12,800	64,300	2.6	1.32	6,370
Tetrahydrofuran		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.76	ND
Toluene		11.5	ND	2.31	ND	ND	ND	10.7	ND	ND	ND	1.33	0.784	ND
Trichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	48.5	ND	ND	ND	ND
Trichlorofluoromethane		1.28	ND	ND	ND	ND	ND	1.24	ND	ND	ND	1.19	1.19	ND
1,2,4-Trimethylbenzene		4.83	4.36	3.65	ND	ND	ND	3.8	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		1.66	ND	ND	ND	ND	ND	1.4	ND	ND	ND	1.12	ND	ND
1,3,5-Trimethylbenzene		1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		1.27	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone		9.85	ND	ND	ND	ND	ND	7.85	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone		9.26	ND	ND	ND	ND	ND	6.64	ND	ND	ND	ND	ND	ND

Note:
Only detected analytes shown

NYDOH Indoor Air Concentration Comparison Criteria¹	
Carbon Tetrachloride and Trichloroethene	<0.2
	0.2 to < 1
	1 and above
Tetrachloroethene and Methylene Chloride	< 3
	3 to <10
	10 and above

NYDOH Subslab Soil Gas Concentration Comparison Criteria²	
Carbon Tetrachloride and Trichloroethene	<6
	6 to <60
	60 and above
Tetrachloroethene and Methylene Chloride	< 100
	100 to <1,000
	1,000 or above

Acronyms and Abbreviations:

NYDOH = New York Department of Health
ND = not detected above the lab reporting limits.
NA = not applicable
ug/m³ = micro grams per cubic meter
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
~ = no regulatory guidance available
NFA = no further action
IA = indoor air
SS = sub-slab
SP = suction point

Table 3
Indoor Air and Sub-slab Soil Vapor Analytical Results
Ocean State Job Lot
Centereach, NY

Parameter	Sample ID	IA-5	SS-11	SS-12	SP-3	IA-6	SS-13	SS-14	SP-4	IA-7	SS-15	AA-1
	Sample Date	5/18/2021	5/20/2021	5/20/2021	6/18/2021	5/18/2021	5/20/2021	5/20/2021	6/17/2021	5/18/2021	5/20/2021	5/18/2021
	Location	Former Medical Center/ Dry Cleaner				Former Ace Hardware				Former Furniture Store		Outside
	Decision per Matrix	Mitigate				Mitigate				NFA		NA
VOCs by USEPA Method TO-15 (ug/m³)												
Acetone		ND	43.7	28.5	ND	ND	24.9	117	ND	8.36	18.6	10.7
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		0.44	ND	ND	ND	0.421	ND	ND	ND	0.428	ND	0.428
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane		1.06	ND	ND	ND	1.06	ND	ND	ND	1.12	ND	1
Cyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		2.32	ND	ND	ND	2.32	ND	2.41	ND	2.31	2.36	2.27
Ethanol		32.2	300	366	ND	23.6	320	486	ND	45.2	226	42
Ethyl Acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	1.24	ND	ND	1.26	ND
Heptane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropanol		2.22	14.8	11.9	ND	1.8	8.7	19.2	ND	2.65	8.28	2.53
Methylene chloride		ND	ND	13.7	ND	ND	ND	15.8	ND	ND	4.1	ND
n-Hexane		ND	ND	ND	ND	ND	ND	4.41	4.55	ND	0.772	ND
o-Xylene		ND	ND	ND	ND	ND	ND	2.38	ND	ND	2.46	ND
p/m-Xylene		ND	ND	ND	9.38	ND	ND	4.52	ND	ND	4.86	ND
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tertiary butyl Alcohol		ND	ND	ND	ND	ND	ND	5.27	ND	ND	2.19	ND
Tetrachloroethene		1.45	2,830	1,510	1,450	0.244	1,270	352	2,370	ND	366	0
Tetrahydrofuran		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		ND	ND	2.74	ND	ND	ND	2.43	17.7	ND	2.03	0.852
Trichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		1.23	ND	ND	ND	1.22	ND	1.19	ND	1.29	1.29	1.17
1,2,4-Trimethylbenzene		ND	ND	5.41	ND	ND	ND	4.97	ND	ND	5.8	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene		ND	ND	ND	ND	ND	ND	1.06	ND	ND	1.25	ND
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane		ND	ND	ND	ND	ND	ND	ND	6.26	ND	ND	ND
2-Butanone		ND	ND	ND	ND	ND	ND	3.48	ND	ND	ND	ND
4-Methyl-2-pentanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Note:

Only detected analytes shown

NYDOH Indoor Air Concentration Comparison Criteria ¹	
Carbon Tetrachloride and Trichloroethene	<0.2
	0.2 to < 1
	1 and above
Tetrachloroethene and Methylene Chloride	< 3
	3 to <10
	10 and above

NYDOH Subslab Soil Gas Concentration Comparison Criteria ²	
Carbon Tetrachloride and Trichloroethene	<6
	6 to <60
	60 and above
Tetrachloroethene and Methylene Chloride	< 100
	100 to <1,000
	1,000 or above

Acronyms and Abbreviations:

NYDOH = New York Department of Health
 ND = not detected above the lab reporting limits.
 NA = not applicable
 ug/m³ = micro grams per cubic meter
 USEPA = United States Environmental Protection Agency
 VOC = volatile organic compound
 ~ = no regulatory guidance available
 NFA = no further action
 IA = indoor air
 SS = sub-slab
 SP = suction point

Table 4
Groundwater Sampling Analytical Results
Ocean State Job Lot
Centereach, NY

Parameter	NYDEC Regulatory Standard	Sample ID	MW-1	MW-2	MW-3	MW-4	TB061021	EB061021
	NY-TOGS-GA	Sample Date	6/10/2021	6/10/2021	6/10/2021	6/10/2021	6/10/2021	6/10/2021
VOCs by USEPA 8260C (ug/l)								
Acetone	50		ND	ND	1.6 J	ND	ND	3.3 J
Chloroform	7		ND	ND	ND	ND	ND	0.79 J
Tetrachloroethene	5		0.25 J	ND	0.19 J	4.6	ND	ND

Note:

Only detected analytes shown

Acronyms and Abbreviations:

NYDEC = New York Department of Environmental Conservation

USEPA = United States Environmental Protection Agency

NY-TOGS-GA = New York Technical and Operational Guidance 1.1.1 Groundwater Effluent Limitations

ND = not detected above the lab reporting limits

ug/l = micro grams per liter

VOC = volatile organic compound

J = estimated value

TB = trip blank

EB = equipment blank

Table 5
Septic Sampling Analytical Results
Ocean State Job Lot
Centereach, NY

Parameter	NYDEC Regulatory Standard		Sample ID	SP-1	SP-1 (R)	SP-2	SP-2 (R)	SP-3	SP-4	#14	EB060421	TB060421		
	NY-SCDHSA	NY-SCDHSCO	Sample Date	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021		
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Water	Water	
			Location	Northern Leaching Pool Area						Western Leaching Pool Area		NA	NA	
VOCs by 5035 (ug/kg)													VOCs by GC/MS (ug/l)	
Acetone	~	~		2,400 E	2,000 E	70	280	ND	16 J	4,400 J	ND	ND		
Benzene	120	60		1.4 J	1.6 J	ND	ND	ND	ND	ND	ND	ND		
Carbon disulfide	5,600	2,800		42 J	32 J	ND	ND	ND	ND	ND	ND	ND		
Chloroform	800	400		ND	ND	3.4 J	ND	ND	2.7 J	ND	ND	ND		
Chloromethane	100	50		ND	ND	5 J	ND	ND	ND	ND	ND	ND		
cis-1,2-Dichloroethene	500	250		ND	2.4 J	ND	ND	ND	ND	ND	ND	ND		
Decane	200,000	100,000		420	430	11 J	ND	ND	ND	1,600 J	ND	ND		
Ethylbenzene	2,000	1,000		24	31	ND	ND	ND	ND	250 J	ND	ND		
Isopropylbenzene	9,400	4,700		42	50	ND	ND	ND	ND	280 J	ND	ND		
Naphthalene	24,000	12,000		16 J	15 J	ND	9.6 J	ND	ND	ND	ND	ND		
n-Butylbenzene	12,000	5,900		100	110	1.3 J	ND	ND	ND	240 J	ND	ND		
n-Hexane	150,000	73,000		6.6 J	8.2 J	0.81 J	ND	ND	ND	ND	ND	ND		
n-Octane	200,000	100,000		160	120	0.59 J	ND	ND	ND	580 J	ND	ND		
Nonane	200,000	100,000		73	99	ND	ND	ND	ND	ND	ND	ND		
n-Propylbenzene	8,000	4,000		60	72	1.3 J	ND	ND	ND	200 J	ND	ND		
n-Undecane	200,000	100,000		190	150	5.8 J	ND	ND	ND	690 J	ND	ND		
o-Xylene	~	~		16	21	ND	ND	ND	ND	ND	ND	ND		
p/m-Xylene	~	~		46	58	ND	ND	ND	ND	ND	ND	ND		
p-Diethylbenzene	52,000	26,000		260	290	6.8 J	ND	ND	ND	550 J	ND	ND		
p-Ethyltoluene	9,000	4,500		170	220	ND	ND	ND	ND	410 J	ND	ND		
p-Isopropyltoluene	22,000	11,000		480	500	90	120	ND	ND	720	ND	ND		
R-Limonene	200,000	100,000		570	470	12 J	39 J	ND	ND	200 J	ND	ND		
sec-Butylbenzene	12,000	5,900		66	73	ND	ND	ND	ND	160 J	ND	ND		
Styrene	9,200	4,600		ND	ND	ND	ND	ND	ND	130 J	ND	ND		
tert-Butylbenzene	12,000	5,900		8 J	8.3 J	ND	ND	ND	ND	ND	ND	ND		
Tetrachloroethene	2,600	1,300		270	190	250	270	1	100	160 J	ND	ND		
Toluene	3,000	1,500		68	72	ND	ND	ND	ND	27,000	ND	ND		
trans-Decahydronaphthalene	200,000	100,000		54	58	15 J	ND	ND	ND	330 J	ND	ND		
Trichloroethene	1,000	500		12	13	ND	ND	ND	ND	ND	ND	ND		
Xylenes	3,200	1,600		62	79	ND	ND	ND	ND	ND	ND	ND		
1,2,3-Trichlorobenzene	17,000	8,300		ND	ND	1.3 J	ND	ND	ND	ND	ND	ND		
1,2,4,5-Tetramethylbenzene	18,000	8,800		50	53	3.3 J	ND	ND	ND	140 J	ND	ND		
1,2,4-Trichlorobenzene	17,000	8,300		ND	ND	1.2 J	ND	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene	7,200	3,600		350	430	2.2 J	4.3 J	ND	ND	680 J	ND	ND		
1,3,5-Trimethylbenzene	16,800	8,400		130	170	1.6 J	ND	ND	ND	200 J	ND	ND		
1,4-Dichlorobenzene	3,600	1,800		23	19	1.6 J	ND	ND	ND	8,100	ND	ND		
2-Butanone	400	200		510	490	ND	ND	ND	ND	1,700 J	ND	ND		

Table 5
Septic Sampling Analytical Results
Ocean State Job Lot
Centereach, NY

Parameter	NYDEC Regulatory Standard		Sample ID	SP-1	SP-1 (R)	SP-2	SP-2 (R)	SP-3	SP-4	#14	EB060421	TB060421	
	NY-SCDHSA	NY-SCDHSCO	Sample Date	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Water	Water
			Location	Northern Leaching Pool Area						Western Leaching Pool Area		NA	NA
VOCs by 5035 High (ug/kg)													
Acetone	~	~		4,200 J	NM	NM	NM	NM	ND	NM	NM	NM	
Butyl acetate	20,000	10,000		ND	NM	NM	NM	NM	110 J	NM	NM	NM	
Chloroform	800	400		ND	NM	NM	NM	NM	19 J	NM	NM	NM	
Decane	200,000	100,000		1,700 J	NM	NM	NM	NM	ND	NM	NM	NM	
Isopropylbenzene	9,400	4,700		83 J	NM	NM	NM	NM	ND	NM	NM	NM	
n-Butylbenzene	12,000	5,900		220 J	NM	NM	NM	NM	ND	NM	NM	NM	
n-Octane	200,000	100,000		340 J	NM	NM	NM	NM	ND	NM	NM	NM	
Nonane	200,000	100,000		260 J	NM	NM	NM	NM	ND	NM	NM	NM	
n-Propylbenzene	8,000	4,000		99 J	NM	NM	NM	NM	ND	NM	NM	NM	
n-Undecane	200,000	100,000		720 J	NM	NM	NM	NM	ND	NM	NM	NM	
p-Diethylbenzene	52,000	26,000		480 J	NM	NM	NM	NM	ND	NM	NM	NM	
p-Ethyltoluene	9,000	4,500		270 J	NM	NM	NM	NM	ND	NM	NM	NM	
p-Isopropyltoluene	22,000	11,000		730	NM	NM	NM	NM	ND	NM	NM	NM	
R-Limonene	200,000	100,000		490 J	NM	NM	NM	NM	ND	NM	NM	NM	
sec-Butylbenzene	12,000	5,900		110 J	NM	NM	NM	NM	ND	NM	NM	NM	
Styrene	9,200	4,600		ND	NM	NM	NM	NM	28 J	NM	NM	NM	
Tetrachloroethene	2,600	1,300		ND	NM	NM	NM	NM	120	NM	NM	NM	
trans-Decahydronaphthalene	200,000	100,000		290 J	NM	NM	NM	NM	ND	NM	NM	NM	
1,2,4,5-Tetramethylbenzene	18,000	8,800		98 J	NM	NM	NM	NM	ND	NM	NM	NM	
1,2,4-Trimethylbenzene	7,200	3,600		540 J	NM	NM	NM	NM	ND	NM	NM	NM	
1,3,5-Trimethylbenzene	16,800	8,400		200 J	NM	NM	NM	NM	ND	NM	NM	NM	
2-Butanone	400	200		1,400 J	NM	NM	NM	NM	ND	NM	NM	NM	
Semi VOCs by GC/MS (ug/kg)											Semi VOCs by GC/MS (ug/l)		
Acetophenone	~	~		ND	NM	260 J	NM	ND	ND	1,000 J	ND	NM	
Anthracene	20,000	100,000		ND	NM	ND	NM	ND	ND	ND	0.04 J	NM	
Benzo(a)anthracene	2,000	1,000		ND	NM	110 J	NM	ND	ND	ND	0.11	NM	
Benzo(a)pyrene	44,000	22,000		ND	NM	ND	NM	ND	ND	ND	0.1 J	NM	
Benzo(b)fluoranthene	3,400	1,700		ND	NM	210 J	NM	ND	72 J	ND	0.16	NM	
Benzo(ghi)perylene	200,000	100,000		ND	NM	320 J	NM	ND	ND	ND	0.11	NM	
Benzo(k)fluoranthene	3,400	1,700		ND	NM	ND	NM	ND	ND	ND	0.05 J	NM	
Bis(2-ethylhexyl)phthalate	~	~		10,000	NM	58,000	64,000 E	ND	980	110,000	2 JB	NM	
Butyl benzyl phthalate	~	~		460 J	NM	2,500	NM	ND	ND	7,900	ND	NM	
Chrysene	2,000	1,000		ND	NM	210 J	NM	ND	52 J	ND	0.1	NM	
Dibenzo(a,h)anthracene	200,000	100,000		ND	NM	ND	NM	ND	ND	ND	0.02 J	NM	
Fluoranthene	200,000	100,000		ND	NM	220 J	NM	ND	32 J	ND	0.28	NM	
Indeno(1,2,3-cd)pyrene	16,000	8,000		ND	NM	190 J	NM	ND	ND	ND	0.1	NM	
Phenanthrene	200,000	100,000		ND	NM	110 J	NM	ND	ND	ND	0.15	NM	
Pyrene	200,000	100,000		85 J	NM	380 J	NM	ND	34 J	ND	0.24	NM	
1,4-Dichlorobenzene	3,600	1,800		ND	NM	ND	NM	ND	ND	2,000 J	ND	NM	
2-Methylnaphthalene	~	~		ND	NM	ND	NM	ND	ND	ND	0.02 J	NM	
3-Methylphenol/4-Methylphenol	~	~		150 J	NM	290 J	NM	ND	ND	ND	ND	NM	
Chlorinated Herbicides by GC (ug/kg)											Chlorinated Herbicides by GC (ug/l)		
No analytes detected in SP-1 sample				ND	NM	NM	NM	NM	NM	NM	ND	NM	
Organochlorine Pesticides by GC (ug/kg)											Organochlorine Pesticides by GC (ug/l)		
No analytes detected in SP-1 sample				ND	NM	NM	NM	NM	NM	NM	ND	NM	

Table 5
Septic Sampling Analytical Results
Ocean State Job Lot
Centereach, NY

Parameter		NYDEC Regulatory Standard		Sample ID	SP-1	SP-1 (R)	SP-2	SP-2 (R)	SP-3	SP-4	#14	EB060421	TB060421		
		NY-SCDHSAL	NY-SCDHSCO	Sample Date	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021	6/4/2021		
				Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Water	Water	
				Location	Northern Leaching Pool Area						Western Leaching Pool Area		NA	NA	
Total Metals (ug/kg)														Total Metals (ug/l)	
Aluminum	~	~		2,960,000	NM	5,110,000	NM	889,000	2,180,000	2,570,000	106	NM			
Antimony	~	~		1,210 J	NM	2,300 J	NM	ND	1,180 J	ND	ND	NM			
Arsenic	30,000	6,000		5,350	NM	11,500	NM	266 J	4,160	3,740	ND	NM			
Barium	4,000,000	820,000		38,500	NM	50,700	NM	4,110	15,400	105,000	5 J	NM			
Beryllium	240,000	47,000		219 J	NM	211 J	NM	81 J	88 J	ND	ND	NM			
Cadmium	40,000	7,500		3,560	NM	5,010	NM	ND	1,230 J	1,500 J	ND	NM			
Calcium	~	~		4,040,000	NM	14,800,000	NM	103,000	1,420,000	6,460,000	527 J	NM			
Chromium	100,000	20,000		25,400	NM	52,900	NM	2,170	25,500	24,500	ND	NM			
Cobalt	~	~		987 J	NM	1,310 J	NM	363 J	1,580 J	2,240 J	ND	NM			
Copper	8,500,000	1,700,000		901,000	NM	1,470,000	NM	6,170	390,000	1,020,000	3 J	NM			
Iron	~	~		5,880,000	NM	6,900,000	NM	1,210,000	9,700,000	14,400,000	290	NM			
Lead	2,000,000	450,000		33,700	NM	63,400	NM	1210 J	33,400	25,800	8 J	NM			
Magnesium	~	~		1,010,000	NM	1,100,000	NM	202,000	416,000	1,100,000	94 J	NM			
Manganese	~	~		20,100	NM	24,000	NM	9,800	38,300	38,700	6 J	NM			
Mercury	3,700	700		ND	NM	576	NM	ND	133	ND	ND	NM			
Nickel	650,000	130,000		10,100	NM	13,000	NM	1,230 J	8,310	26,100	ND	NM			
Potassium	~	~		164,000 J	NM	208,000 J	NM	84,200 J	111,000 J	236,000 J	ND	NM			
Selenium	~	~		5,810	NM	8,890	NM	387 J	2,190 J	3,550 J	ND	NM			
Silver	50,000	10,000		18,500	NM	48,400	NM	ND	11,800	1,330 J	ND	NM			
Sodium	~	~		5,760,000	NM	648,000	NM	40,900 J	578,000	418,000 J	ND	NM			
Vanadium	~	~		11,200	NM	18,400	NM	2,320	17,300	7,970	ND	NM			
Zinc	~	~		1,750,000	NM	1,870,000	NM	8,530	246,000	6,500,000	ND	NM			

Note:

Only detected analytes shown

Bold = value exceeds NY-SCDHSA threshold value

Shaded = value exceeds NY-SCDHSC threshold value

Bold and shaded = value exceeds both NY-SCDHSA and NY-SCDHSC threshold values

Acronyms and Abbreviations:

NYDEC = New York Department of Environmental Conservation

USEPA = United States Environmental Protection Agency

NY-SCDHSA = New York Suffolk County Department of Health Services Action Level

NY-SCDHSC = New York Suffolk County Department of Health Services Cleanup Objectives

NA = not applicable

ND = not detected above the lab reporting limits.

NM = not measured

GC/MS = gas chromatography-mass spectrometry

(R) = analytical results are from sample re-analysis

J = estimated value

B = analyte was detected above the reporting limit in associated method blank

ug/m³ = micro grams per cubic meter

ug/l = micro grams per liter

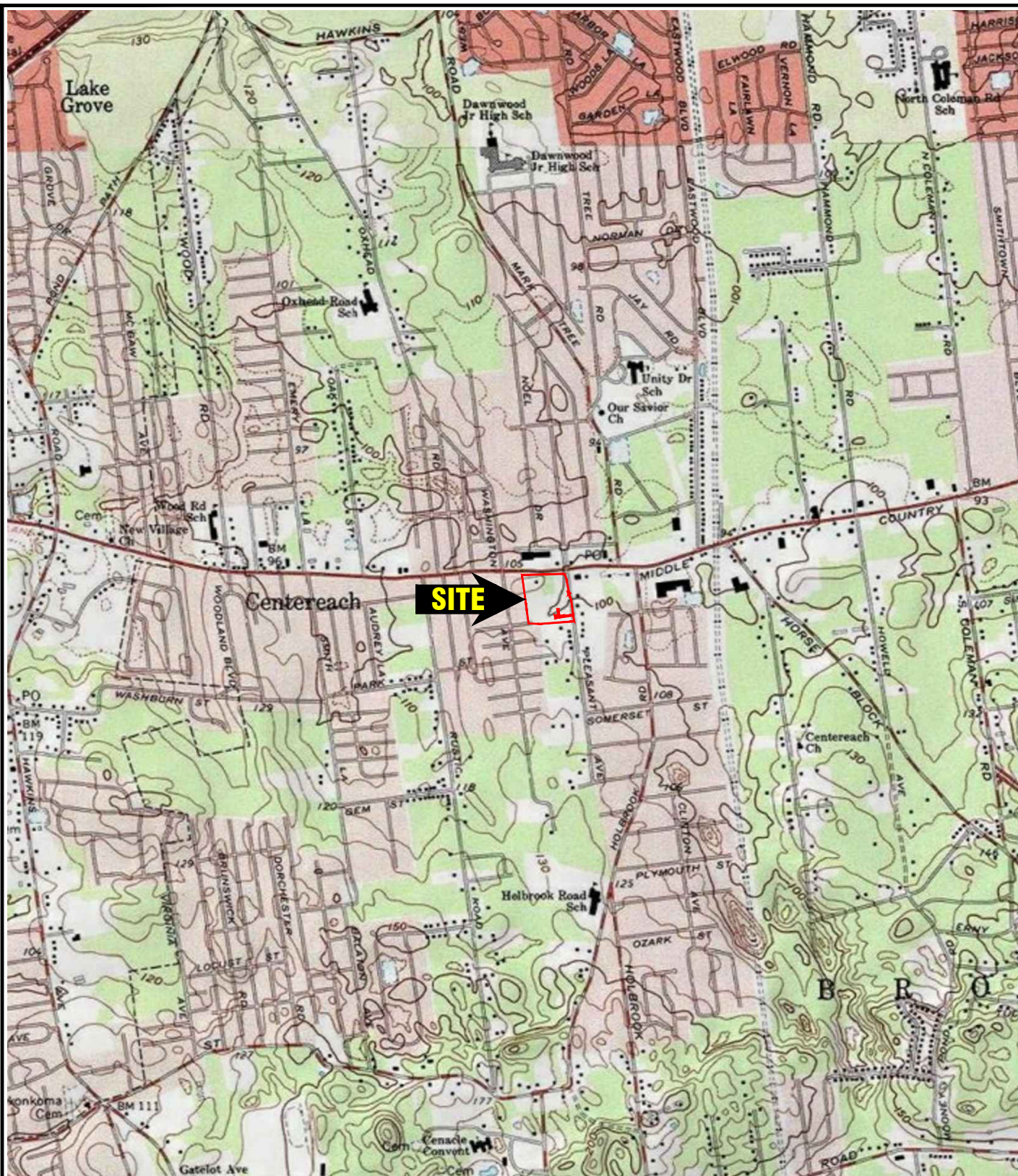
VOC = volatile organic compound

~ = no regulatory guidance available

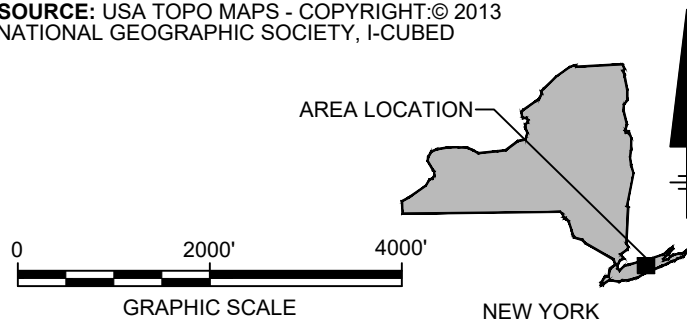
TB = trip blank

EB = equipment blank

Figures



SOURCE: USA TOPO MAPS - COPYRIGHT:© 2013
 NATIONAL GEOGRAPHIC SOCIETY, I-CUBED



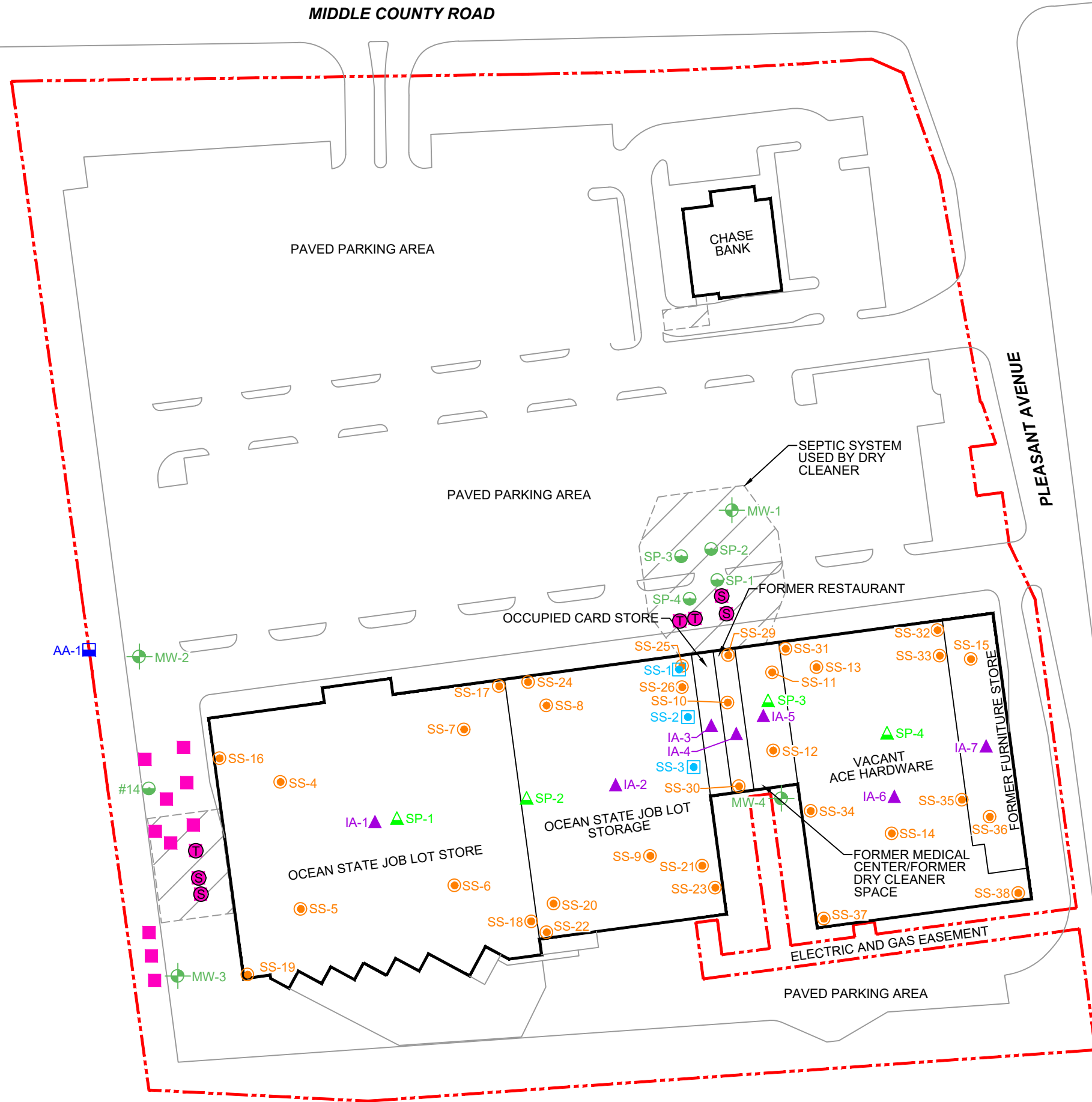
OCEAN STATE JOB LOT
 PLEASANT AVENUE AND MIDDLE COUNTRY ROAD
 CENTEREACH, NEW YORK

SITE LOCATION MAP



FIGURE

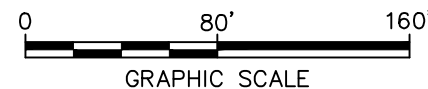
1



- LEGEND:**
- SITE BOUNDARY
 - - - - - APPROXIMATE LOCATION OF EXISTING SANITARY SYSTEM
 - Ⓣ GREASE TRAP
 - Ⓢ SEPTIC TANK
 - AMBIENT AIR SAMPLE
 - ⊕ MONITORING WELL LOCATION
 - ▲ INDOOR AIR SAMPLE LOCATION
 - PREVIOUS SUBSLAB SOIL VAPOR SAMPLE
 - SANITARY LEACHING POOL LOCATION (APPROXIMATE)
 - ⊕ SEPTIC SYSTEM SAMPLING LOCATION
 - ▲ SUCTION POINT
 - SUB-SLAB SOIL VAPOR MONITORING POINT

NOTE:
SAMPLE, SUCTION POINT, MONITORING WELL, AND MONITORING POINT LOCATIONS ARE APPROXIMATE.

SOURCE:
THIS DRAWING IS REFERENCED FROM "EXISTING CONDITIONS ALTA/ASCM SURVEY", BY: NORTON BROTHERS DUNN, DATED: APRIL 2003, SCALE: 1"=30'.



OCEAN STATE JOB LOT
2102 - 2150 MIDDLE COUNTRY ROAD
CENTERREACH, NEW YORK

SITE PLAN



CITY: MANCHESTER DIV/GROUP: ENV/CAD DB: B.SMALL PM: TM: C:\BIM\pdr\Arcadis\BIM 360 Docs\2021\AUS-OSI SITE INVESTIGATION-CENTERREACH-NY\2021\01-1-in Progress\01-DWG\DATA-F03-PCE.dwg LAYOUT: 3 SAVED: 7/21/2021 5:41 PM ACADVER: 23.1s (LMS TECH) PAGES: 3 PLOTSTYLETABLE: ----- PLOTTED: 7/21/2021 5:41 PM BY: SMALL, BRIAN

XREFS: IMAGES: PROJECTNAME: -----

(0.244)

(366)

(1,420)

µg/m³

LEGEND:

SITE BOUNDARY

AMBIENT AIR SAMPLE

MONITORING WELL LOCATION

INDOOR AIR SAMPLE LOCATION

SUCTION POINT SAMPLE

SUBSLAB SOIL GAS SAMPLE

TETRACHLOROETHENE (PCE) CONCENTRATION IN µg/m³

MICROGRAMS PER CUBIC METER

SOIL VAPOR/INDOOR AIR MATRIX B	INDOOR AIR CONCENTRATION (µg/m³)		
SUB-SLAB VAPOR CONCENTRATIONS (µg/m³)	<3	3 TO <10	10 AND ABOVE
<100	NFA	NFA	IDENTIFY SOURCE(S) AND RESAMPLE OR MITIGATE
100 TO <1,000	NFA	MONITOR	MITIGATE
1,000 OR ABOVE	MITIGATE	MITIGATE	MITIGATE

NOTE:

SAMPLE LOCATIONS ARE APPROXIMATE.

SOURCE:

THIS DRAWING IS REFERENCED FROM "EXISTING CONDITIONS ALTA/ASCM SURVEY", BY: NORTON BROTHERS DUNN, DATED: APRIL 2003, SCALE: 1"=30'.

050'100'

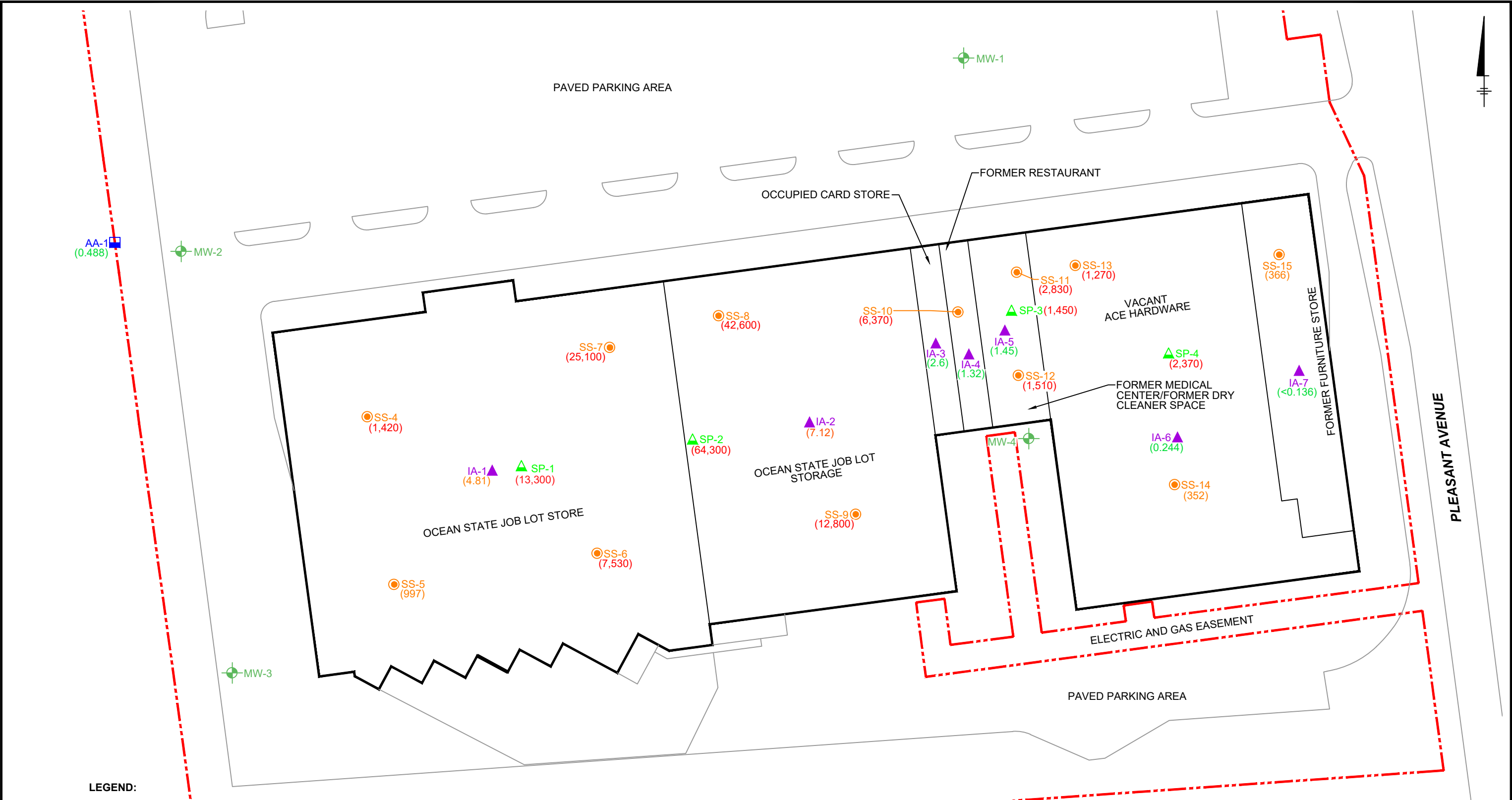
GRAPHIC SCALE

OCEAN STATE JOB LOT
2102 - 2150 MIDDLE COUNTRY ROAD
CENTERREACH, NEW YORK

INDOOR AIR AND SUBSLAB SOIL GAS
PCE CONCENTRATION MAP

ARCADIS

FIGURE
3



Appendix A

Limitations and Service Constraints

LIMITATIONS AND SERVICE CONSTRAINTS

GENERAL REPORTS/DOCUMENT

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ARCADIS and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, express or implied, is intended or given. To the extent that ARCADIS relied upon any information prepared by other parties not under contract to ARCADIS, ARCADIS makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

Results of any investigations or testing and any findings presented in this report apply solely to conditions existing at the time when ARCADIS' investigative work was performed. It must be recognized that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. ARCADIS's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in environmental investigation conclusions cannot reasonably be achieved.

ARCADIS, therefore, does not provide any guarantees, certifications, or warranties regarding any conclusions regarding environmental contamination of any such property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

Appendix B

Lab Reports



ANALYTICAL REPORT

Lab Number:	L2133451
Client:	Arcadis of New York, Inc. 2240 South County Trail Suite 5 East Greenwich, RI 02818
ATTN:	Donna Pallister
Phone:	(401) 285-2235
Project Name:	OSJL- CENTEREACH
Project Number:	30088967
Report Date:	06/25/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133451
Report Date: 06/25/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2133451-01	SP-2	SOIL_VAPOR	CENTEREACH, NY	06/17/21 14:40	06/18/21
L2133451-02	SP-4	SOIL_VAPOR	CENTEREACH, NY	06/17/21 19:27	06/18/21
L2133451-03	SP-3	SOIL_VAPOR	CENTEREACH, NY	06/18/21 13:51	06/18/21

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133451
Report Date: 06/25/21

Case Narrative

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

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

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

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

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

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

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133451
Report Date: 06/25/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 11, 2021. The canister certification results are provided as an addendum.

L2133451-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2133451-02: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2133451-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1516640-3 LCS recoveries for 3-chloropropene (143%), and bromoform (135%) and benzyl chloride (151%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 06/25/21

AIR

Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2133451**Report Date:** 06/25/21**SAMPLE RESULTS**

Lab ID: L2133451-01 D
 Client ID: SP-2
 Sample Location: CENTEREACH, NY

Date Collected: 06/17/21 14:40
 Date Received: 06/18/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 06/24/21 21:04
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	30.9	--	ND	153	--		154.3
Chloromethane	ND	30.9	--	ND	63.8	--		154.3
Freon-114	ND	30.9	--	ND	216	--		154.3
Vinyl chloride	ND	30.9	--	ND	79.0	--		154.3
1,3-Butadiene	ND	30.9	--	ND	68.4	--		154.3
Bromomethane	ND	30.9	--	ND	120	--		154.3
Chloroethane	ND	30.9	--	ND	81.5	--		154.3
Ethanol	ND	772	--	ND	1450	--		154.3
Vinyl bromide	ND	30.9	--	ND	135	--		154.3
Acetone	ND	154	--	ND	366	--		154.3
Trichlorofluoromethane	ND	30.9	--	ND	174	--		154.3
Isopropanol	ND	77.2	--	ND	190	--		154.3
1,1-Dichloroethene	ND	30.9	--	ND	123	--		154.3
Tertiary butyl Alcohol	ND	77.2	--	ND	234	--		154.3
Methylene chloride	ND	77.2	--	ND	268	--		154.3
3-Chloropropene	ND	30.9	--	ND	96.7	--		154.3
Carbon disulfide	ND	30.9	--	ND	96.2	--		154.3
Freon-113	ND	30.9	--	ND	237	--		154.3
trans-1,2-Dichloroethene	ND	30.9	--	ND	123	--		154.3
1,1-Dichloroethane	ND	30.9	--	ND	125	--		154.3
Methyl tert butyl ether	ND	30.9	--	ND	111	--		154.3
2-Butanone	ND	77.2	--	ND	228	--		154.3
cis-1,2-Dichloroethene	ND	30.9	--	ND	123	--		154.3



Project Name: OSJL- CENTEREACH**Lab Number:** L2133451**Project Number:** 30088967**Report Date:** 06/25/21**SAMPLE RESULTS**

Lab ID: L2133451-01 D

Date Collected: 06/17/21 14:40

Client ID: SP-2

Date Received: 06/18/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	77.2	--	ND	278	--		154.3
Chloroform	ND	30.9	--	ND	151	--		154.3
Tetrahydrofuran	ND	77.2	--	ND	228	--		154.3
1,2-Dichloroethane	ND	30.9	--	ND	125	--		154.3
n-Hexane	ND	30.9	--	ND	109	--		154.3
1,1,1-Trichloroethane	ND	30.9	--	ND	169	--		154.3
Benzene	ND	30.9	--	ND	98.7	--		154.3
Carbon tetrachloride	ND	30.9	--	ND	194	--		154.3
Cyclohexane	ND	30.9	--	ND	106	--		154.3
1,2-Dichloropropane	ND	30.9	--	ND	143	--		154.3
Bromodichloromethane	ND	30.9	--	ND	207	--		154.3
1,4-Dioxane	ND	30.9	--	ND	111	--		154.3
Trichloroethene	ND	30.9	--	ND	166	--		154.3
2,2,4-Trimethylpentane	ND	30.9	--	ND	144	--		154.3
Heptane	ND	30.9	--	ND	127	--		154.3
cis-1,3-Dichloropropene	ND	30.9	--	ND	140	--		154.3
4-Methyl-2-pentanone	ND	77.2	--	ND	316	--		154.3
trans-1,3-Dichloropropene	ND	30.9	--	ND	140	--		154.3
1,1,2-Trichloroethane	ND	30.9	--	ND	169	--		154.3
Toluene	ND	30.9	--	ND	116	--		154.3
2-Hexanone	ND	30.9	--	ND	127	--		154.3
Dibromochloromethane	ND	30.9	--	ND	263	--		154.3
1,2-Dibromoethane	ND	30.9	--	ND	237	--		154.3
Tetrachloroethene	9480	30.9	--	64300	210	--		154.3
Chlorobenzene	ND	30.9	--	ND	142	--		154.3
Ethylbenzene	ND	30.9	--	ND	134	--		154.3



Project Name: OSJL- CENTEREACH**Lab Number:** L2133451**Project Number:** 30088967**Report Date:** 06/25/21**SAMPLE RESULTS**

Lab ID: L2133451-01 D

Date Collected: 06/17/21 14:40

Client ID: SP-2

Date Received: 06/18/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	61.7	--	ND	268	--		154.3
Bromoform	ND	30.9	--	ND	319	--		154.3
Styrene	ND	30.9	--	ND	132	--		154.3
1,1,2,2-Tetrachloroethane	ND	30.9	--	ND	212	--		154.3
o-Xylene	ND	30.9	--	ND	134	--		154.3
4-Ethyltoluene	ND	30.9	--	ND	152	--		154.3
1,3,5-Trimethylbenzene	ND	30.9	--	ND	152	--		154.3
1,2,4-Trimethylbenzene	ND	30.9	--	ND	152	--		154.3
Benzyl chloride	ND	30.9	--	ND	160	--		154.3
1,3-Dichlorobenzene	ND	30.9	--	ND	186	--		154.3
1,4-Dichlorobenzene	ND	30.9	--	ND	186	--		154.3
1,2-Dichlorobenzene	ND	30.9	--	ND	186	--		154.3
1,2,4-Trichlorobenzene	ND	30.9	--	ND	229	--		154.3
Hexachlorobutadiene	ND	30.9	--	ND	330	--		154.3

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		60-140
Bromochloromethane	114		60-140
chlorobenzene-d5	101		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2133451**Report Date:** 06/25/21**SAMPLE RESULTS**

Lab ID: L2133451-02
 Client ID: SP-4
 Sample Location: CENTEREACH, NY

Date Collected: 06/17/21 19:27
 Date Received: 06/18/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 06/24/21 21:40
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.769	--	ND	3.80	--		3.846
Chloromethane	ND	0.769	--	ND	1.59	--		3.846
Freon-114	ND	0.769	--	ND	5.38	--		3.846
Vinyl chloride	ND	0.769	--	ND	1.97	--		3.846
1,3-Butadiene	ND	0.769	--	ND	1.70	--		3.846
Bromomethane	ND	0.769	--	ND	2.99	--		3.846
Chloroethane	ND	0.769	--	ND	2.03	--		3.846
Ethanol	ND	19.2	--	ND	36.2	--		3.846
Vinyl bromide	ND	0.769	--	ND	3.36	--		3.846
Acetone	ND	3.85	--	ND	9.15	--		3.846
Trichlorofluoromethane	ND	0.769	--	ND	4.32	--		3.846
Isopropanol	ND	1.92	--	ND	4.72	--		3.846
1,1-Dichloroethene	ND	0.769	--	ND	3.05	--		3.846
Tertiary butyl Alcohol	ND	1.92	--	ND	5.82	--		3.846
Methylene chloride	ND	1.92	--	ND	6.67	--		3.846
3-Chloropropene	ND	0.769	--	ND	2.41	--		3.846
Carbon disulfide	ND	0.769	--	ND	2.39	--		3.846
Freon-113	ND	0.769	--	ND	5.89	--		3.846
trans-1,2-Dichloroethene	ND	0.769	--	ND	3.05	--		3.846
1,1-Dichloroethane	ND	0.769	--	ND	3.11	--		3.846
Methyl tert butyl ether	ND	0.769	--	ND	2.77	--		3.846
2-Butanone	ND	1.92	--	ND	5.66	--		3.846
cis-1,2-Dichloroethene	ND	0.769	--	ND	3.05	--		3.846



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2133451**Report Date:** 06/25/21**SAMPLE RESULTS**

Lab ID: L2133451-02

Client ID: SP-4

Sample Location: CENTEREACH, NY

Date Collected: 06/17/21 19:27

Date Received: 06/18/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.92	--	ND	6.92	--		3.846
Chloroform	ND	0.769	--	ND	3.76	--		3.846
Tetrahydrofuran	ND	1.92	--	ND	5.66	--		3.846
1,2-Dichloroethane	ND	0.769	--	ND	3.11	--		3.846
n-Hexane	ND	0.769	--	ND	2.71	--		3.846
1,1,1-Trichloroethane	ND	0.769	--	ND	4.20	--		3.846
Benzene	ND	0.769	--	ND	2.46	--		3.846
Carbon tetrachloride	ND	0.769	--	ND	4.84	--		3.846
Cyclohexane	ND	0.769	--	ND	2.65	--		3.846
1,2-Dichloropropane	ND	0.769	--	ND	3.55	--		3.846
Bromodichloromethane	ND	0.769	--	ND	5.15	--		3.846
1,4-Dioxane	ND	0.769	--	ND	2.77	--		3.846
Trichloroethene	ND	0.769	--	ND	4.13	--		3.846
2,2,4-Trimethylpentane	ND	0.769	--	ND	3.59	--		3.846
Heptane	ND	0.769	--	ND	3.15	--		3.846
cis-1,3-Dichloropropene	ND	0.769	--	ND	3.49	--		3.846
4-Methyl-2-pentanone	ND	1.92	--	ND	7.87	--		3.846
trans-1,3-Dichloropropene	ND	0.769	--	ND	3.49	--		3.846
1,1,2-Trichloroethane	ND	0.769	--	ND	4.20	--		3.846
Toluene	ND	0.769	--	ND	2.90	--		3.846
2-Hexanone	ND	0.769	--	ND	3.15	--		3.846
Dibromochloromethane	ND	0.769	--	ND	6.55	--		3.846
1,2-Dibromoethane	ND	0.769	--	ND	5.91	--		3.846
Tetrachloroethene	214	0.769	--	1450	5.21	--		3.846
Chlorobenzene	ND	0.769	--	ND	3.54	--		3.846
Ethylbenzene	ND	0.769	--	ND	3.34	--		3.846



Project Name: OSJL- CENTEREACH**Lab Number:** L2133451**Project Number:** 30088967**Report Date:** 06/25/21**SAMPLE RESULTS**

Lab ID: L2133451-02

Date Collected: 06/17/21 19:27

Client ID: SP-4

Date Received: 06/18/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.16	1.54	--	9.38	6.69	--		3.846
Bromoform	ND	0.769	--	ND	7.95	--		3.846
Styrene	ND	0.769	--	ND	3.27	--		3.846
1,1,2,2-Tetrachloroethane	ND	0.769	--	ND	5.28	--		3.846
o-Xylene	ND	0.769	--	ND	3.34	--		3.846
4-Ethyltoluene	ND	0.769	--	ND	3.78	--		3.846
1,3,5-Trimethylbenzene	ND	0.769	--	ND	3.78	--		3.846
1,2,4-Trimethylbenzene	ND	0.769	--	ND	3.78	--		3.846
Benzyl chloride	ND	0.769	--	ND	3.98	--		3.846
1,3-Dichlorobenzene	ND	0.769	--	ND	4.62	--		3.846
1,4-Dichlorobenzene	ND	0.769	--	ND	4.62	--		3.846
1,2-Dichlorobenzene	ND	0.769	--	ND	4.62	--		3.846
1,2,4-Trichlorobenzene	ND	0.769	--	ND	5.71	--		3.846
Hexachlorobutadiene	ND	0.769	--	ND	8.20	--		3.846

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	104		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	103		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2133451**Report Date:** 06/25/21**SAMPLE RESULTS**

Lab ID: L2133451-03
 Client ID: SP-3
 Sample Location: CENTEREACH, NY

Date Collected: 06/18/21 13:51
 Date Received: 06/18/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 06/24/21 22:16
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.25	--	ND	6.18	--		6.25
Chloromethane	ND	1.25	--	ND	2.58	--		6.25
Freon-114	ND	1.25	--	ND	8.74	--		6.25
Vinyl chloride	ND	1.25	--	ND	3.20	--		6.25
1,3-Butadiene	ND	1.25	--	ND	2.77	--		6.25
Bromomethane	ND	1.25	--	ND	4.85	--		6.25
Chloroethane	ND	1.25	--	ND	3.30	--		6.25
Ethanol	ND	31.2	--	ND	58.8	--		6.25
Vinyl bromide	ND	1.25	--	ND	5.47	--		6.25
Acetone	ND	6.25	--	ND	14.8	--		6.25
Trichlorofluoromethane	ND	1.25	--	ND	7.02	--		6.25
Isopropanol	ND	3.12	--	ND	7.67	--		6.25
1,1-Dichloroethene	ND	1.25	--	ND	4.96	--		6.25
Tertiary butyl Alcohol	ND	3.12	--	ND	9.46	--		6.25
Methylene chloride	ND	3.12	--	ND	10.8	--		6.25
3-Chloropropene	ND	1.25	--	ND	3.91	--		6.25
Carbon disulfide	ND	1.25	--	ND	3.89	--		6.25
Freon-113	ND	1.25	--	ND	9.58	--		6.25
trans-1,2-Dichloroethene	ND	1.25	--	ND	4.96	--		6.25
1,1-Dichloroethane	ND	1.25	--	ND	5.06	--		6.25
Methyl tert butyl ether	ND	1.25	--	ND	4.51	--		6.25
2-Butanone	ND	3.12	--	ND	9.20	--		6.25
cis-1,2-Dichloroethene	ND	1.25	--	ND	4.96	--		6.25



Project Name: OSJL- CENTEREACH**Lab Number:** L2133451**Project Number:** 30088967**Report Date:** 06/25/21**SAMPLE RESULTS**

Lab ID: L2133451-03
 Client ID: SP-3
 Sample Location: CENTEREACH, NY

Date Collected: 06/18/21 13:51
 Date Received: 06/18/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	3.12	--	ND	11.2	--		6.25
Chloroform	ND	1.25	--	ND	6.10	--		6.25
Tetrahydrofuran	ND	3.12	--	ND	9.20	--		6.25
1,2-Dichloroethane	ND	1.25	--	ND	5.06	--		6.25
n-Hexane	1.29	1.25	--	4.55	4.41	--		6.25
1,1,1-Trichloroethane	ND	1.25	--	ND	6.82	--		6.25
Benzene	ND	1.25	--	ND	3.99	--		6.25
Carbon tetrachloride	ND	1.25	--	ND	7.86	--		6.25
Cyclohexane	ND	1.25	--	ND	4.30	--		6.25
1,2-Dichloropropane	ND	1.25	--	ND	5.78	--		6.25
Bromodichloromethane	ND	1.25	--	ND	8.37	--		6.25
1,4-Dioxane	ND	1.25	--	ND	4.50	--		6.25
Trichloroethene	ND	1.25	--	ND	6.72	--		6.25
2,2,4-Trimethylpentane	1.34	1.25	--	6.26	5.84	--		6.25
Heptane	ND	1.25	--	ND	5.12	--		6.25
cis-1,3-Dichloropropene	ND	1.25	--	ND	5.67	--		6.25
4-Methyl-2-pentanone	ND	3.12	--	ND	12.8	--		6.25
trans-1,3-Dichloropropene	ND	1.25	--	ND	5.67	--		6.25
1,1,2-Trichloroethane	ND	1.25	--	ND	6.82	--		6.25
Toluene	4.70	1.25	--	17.7	4.71	--		6.25
2-Hexanone	ND	1.25	--	ND	5.12	--		6.25
Dibromochloromethane	ND	1.25	--	ND	10.6	--		6.25
1,2-Dibromoethane	ND	1.25	--	ND	9.61	--		6.25
Tetrachloroethene	350	1.25	--	2370	8.48	--		6.25
Chlorobenzene	ND	1.25	--	ND	5.76	--		6.25
Ethylbenzene	ND	1.25	--	ND	5.43	--		6.25



Project Name: OSJL- CENTEREACH**Lab Number:** L2133451**Project Number:** 30088967**Report Date:** 06/25/21**SAMPLE RESULTS**

Lab ID: L2133451-03

Date Collected: 06/18/21 13:51

Client ID: SP-3

Date Received: 06/18/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	2.50	--	ND	10.9	--		6.25
Bromoform	ND	1.25	--	ND	12.9	--		6.25
Styrene	ND	1.25	--	ND	5.32	--		6.25
1,1,2,2-Tetrachloroethane	ND	1.25	--	ND	8.58	--		6.25
o-Xylene	ND	1.25	--	ND	5.43	--		6.25
4-Ethyltoluene	ND	1.25	--	ND	6.15	--		6.25
1,3,5-Trimethylbenzene	ND	1.25	--	ND	6.15	--		6.25
1,2,4-Trimethylbenzene	ND	1.25	--	ND	6.15	--		6.25
Benzyl chloride	ND	1.25	--	ND	6.47	--		6.25
1,3-Dichlorobenzene	ND	1.25	--	ND	7.52	--		6.25
1,4-Dichlorobenzene	ND	1.25	--	ND	7.52	--		6.25
1,2-Dichlorobenzene	ND	1.25	--	ND	7.52	--		6.25
1,2,4-Trichlorobenzene	ND	1.25	--	ND	9.28	--		6.25
Hexachlorobutadiene	ND	1.25	--	ND	13.3	--		6.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	100		60-140



Project Name: OSJL- CENTEREACH

Lab Number: L2133451

Project Number: 30088967

Report Date: 06/25/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/24/21 14:36

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1516640-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: OSJL- CENTEREACH

Lab Number: L2133451

Project Number: 30088967

Report Date: 06/25/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/24/21 14:36

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1516640-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: OSJL- CENTEREACH

Lab Number: L2133451

Project Number: 30088967

Report Date: 06/25/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/24/21 14:36

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1516640-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2133451

Report Date: 06/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1516640-3								
Dichlorodifluoromethane	75		-		70-130	-		
Chloromethane	94		-		70-130	-		
Freon-114	88		-		70-130	-		
Vinyl chloride	95		-		70-130	-		
1,3-Butadiene	96		-		70-130	-		
Bromomethane	100		-		70-130	-		
Chloroethane	97		-		70-130	-		
Ethanol	88		-		40-160	-		
Vinyl bromide	96		-		70-130	-		
Acetone	78		-		40-160	-		
Trichlorofluoromethane	112		-		70-130	-		
Isopropanol	103		-		40-160	-		
1,1-Dichloroethene	123		-		70-130	-		
Tertiary butyl Alcohol	108		-		70-130	-		
Methylene chloride	116		-		70-130	-		
3-Chloropropene	143	Q	-		70-130	-		
Carbon disulfide	102		-		70-130	-		
Freon-113	115		-		70-130	-		
trans-1,2-Dichloroethene	111		-		70-130	-		
1,1-Dichloroethane	111		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
2-Butanone	112		-		70-130	-		
cis-1,2-Dichloroethene	114		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2133451

Report Date: 06/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1516640-3								
Ethyl Acetate	123		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	114		-		70-130	-		
1,2-Dichloroethane	97		-		70-130	-		
n-Hexane	112		-		70-130	-		
1,1,1-Trichloroethane	101		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	106		-		70-130	-		
Cyclohexane	112		-		70-130	-		
1,2-Dichloropropane	120		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	108		-		70-130	-		
2,2,4-Trimethylpentane	114		-		70-130	-		
Heptane	117		-		70-130	-		
cis-1,3-Dichloropropene	108		-		70-130	-		
4-Methyl-2-pentanone	120		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	112		-		70-130	-		
Toluene	120		-		70-130	-		
2-Hexanone	81		-		70-130	-		
Dibromochloromethane	128		-		70-130	-		
1,2-Dibromoethane	112		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2133451

Report Date: 06/25/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1516640-3								
Tetrachloroethene	114		-		70-130	-		
Chlorobenzene	112		-		70-130	-		
Ethylbenzene	118		-		70-130	-		
p/m-Xylene	118		-		70-130	-		
Bromoform	135	Q	-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	126		-		70-130	-		
o-Xylene	120		-		70-130	-		
4-Ethyltoluene	107		-		70-130	-		
1,3,5-Trimethylbenzene	108		-		70-130	-		
1,2,4-Trimethylbenzene	114		-		70-130	-		
Benzyl chloride	151	Q	-		70-130	-		
1,3-Dichlorobenzene	115		-		70-130	-		
1,4-Dichlorobenzene	111		-		70-130	-		
1,2-Dichlorobenzene	112		-		70-130	-		
1,2,4-Trichlorobenzene	117		-		70-130	-		
Hexachlorobutadiene	112		-		70-130	-		

Project Name: OSJL- CENTEREACH

Serial_No:06252115:43
Lab Number: L2133451

Project Number: 30088967

Report Date: 06/25/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2133451-01	SP-2	0049	Flow 1	06/11/21	354907		-	-	-	Pass	200	200	0
L2133451-01	SP-2	417	2.7L Can	06/11/21	354907	L2129852-01	Pass	-29.4	-6.9	-	-	-	-
L2133451-02	SP-4	0355	Flow 1	06/11/21	354907		-	-	-	Pass	200	199	1
L2133451-02	SP-4	2689	2.7L Can	06/11/21	354907	L2130502-05	Pass	-29.3	-5.1	-	-	-	-
L2133451-03	SP-3	01586	Flow 1	06/11/21	354907		-	-	-	Pass	200	196	2
L2133451-03	SP-3	2611	2.7L Can	06/11/21	354907	L2129852-03	Pass	-29.4	-50	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/06/21 16:33
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2129852**Project Number:** CANISTER QC BAT**Report Date:** 06/25/21**Air Canister Certification Results**

Lab ID: L2129852-01

Date Collected: 06/03/21 16:00

Client ID: CAN 510 SHELF 15

Date Received: 06/04/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/06/21 16:33
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-03
Client ID: CAN 2249 SHELF 18
Sample Location:

Date Collected: 06/04/21 07:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/06/21 17:52
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-03
Client ID: CAN 2249 SHELF 18
Sample Location:

Date Collected: 06/04/21 07:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-03
Client ID: CAN 2249 SHELF 18
Sample Location:

Date Collected: 06/04/21 07:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-03
Client ID: CAN 2249 SHELF 18
Sample Location:

Date Collected: 06/04/21 07:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2129852**Project Number:** CANISTER QC BAT**Report Date:** 06/25/21**Air Canister Certification Results**

Lab ID: L2129852-03

Date Collected: 06/04/21 07:00

Client ID: CAN 2249 SHELF 18

Date Received: 06/04/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	102		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-03
Client ID: CAN 2249 SHELF 18
Sample Location:

Date Collected: 06/04/21 07:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/06/21 17:52
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-03
Client ID: CAN 2249 SHELF 18
Sample Location:

Date Collected: 06/04/21 07:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2129852-03
Client ID: CAN 2249 SHELF 18
Sample Location:

Date Collected: 06/04/21 07:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	105		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	104		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/09/21 00:31
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2130502**Project Number:** CANISTER QC BAT**Report Date:** 06/25/21**Air Canister Certification Results**

Lab ID: L2130502-05

Date Collected: 06/08/21 07:00

Client ID: CAN 2242 SHELF 8

Date Received: 06/08/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	111		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/09/21 00:31
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/25/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2130502**Project Number:** CANISTER QC BAT**Report Date:** 06/25/21**Air Canister Certification Results**

Lab ID: L2130502-05

Date Collected: 06/08/21 07:00

Client ID: CAN 2242 SHELF 8

Date Received: 06/08/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	112		60-140



Project Name: OSJL- CENTEREACH
Project Number: 30088967

Serial_No:06252115:43
Lab Number: L2133451
Report Date: 06/25/21

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2133451-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2133451-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2133451-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133451
Report Date: 06/25/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133451
Report Date: 06/25/21

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133451
Report Date: 06/25/21

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133451
Report Date: 06/25/21

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



ANALYTICAL REPORT

Lab Number:	L2133736
Client:	Arcadis of New York, Inc. 2240 South County Trail Suite 5 East Greenwich, RI 02818
ATTN:	Donna Pallister
Phone:	(401) 285-2235
Project Name:	OSJL- CENTEREACH
Project Number:	30088967
Report Date:	06/28/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133736
Report Date: 06/28/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2133736-01	SP-1	SOIL_VAPOR	CENTEREACH, NY	06/22/21 09:06	06/22/21
L2133736-02	UNUSED CAN #2521	SOIL_VAPOR	CENTEREACH, NY		06/22/21

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133736
Report Date: 06/28/21

Case Narrative

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

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

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

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

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

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

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133736
Report Date: 06/28/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 11, 2021. The canister certification results are provided as an addendum.

L2133736-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 06/28/21

AIR

Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2133736**Report Date:** 06/28/21**SAMPLE RESULTS**

Lab ID: L2133736-01 D
 Client ID: SP-1
 Sample Location: CENTEREACH, NY

Date Collected: 06/22/21 09:06
 Date Received: 06/22/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 06/26/21 02:50
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	6.02	--	ND	29.8	--		30.12
Chloromethane	ND	6.02	--	ND	12.4	--		30.12
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	6.02	--	ND	42.1	--		30.12
Vinyl chloride	ND	6.02	--	ND	15.4	--		30.12
1,3-Butadiene	ND	6.02	--	ND	13.3	--		30.12
Bromomethane	ND	6.02	--	ND	23.4	--		30.12
Chloroethane	ND	6.02	--	ND	15.9	--		30.12
Ethyl Alcohol	250	151	--	471	285	--		30.12
Vinyl bromide	ND	6.02	--	ND	26.3	--		30.12
Acetone	ND	30.1	--	ND	71.5	--		30.12
Trichlorofluoromethane	ND	6.02	--	ND	33.8	--		30.12
iso-Propyl Alcohol	ND	15.1	--	ND	37.1	--		30.12
1,1-Dichloroethene	ND	6.02	--	ND	23.9	--		30.12
tert-Butyl Alcohol	ND	15.1	--	ND	45.8	--		30.12
Methylene chloride	ND	15.1	--	ND	52.5	--		30.12
3-Chloropropene	ND	6.02	--	ND	18.8	--		30.12
Carbon disulfide	ND	6.02	--	ND	18.7	--		30.12
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	6.02	--	ND	46.1	--		30.12
trans-1,2-Dichloroethene	ND	6.02	--	ND	23.9	--		30.12
1,1-Dichloroethane	ND	6.02	--	ND	24.4	--		30.12
Methyl tert butyl ether	ND	6.02	--	ND	21.7	--		30.12
2-Butanone	ND	15.1	--	ND	44.5	--		30.12
cis-1,2-Dichloroethene	ND	6.02	--	ND	23.9	--		30.12



Project Name: OSJL- CENTEREACH**Lab Number:** L2133736**Project Number:** 30088967**Report Date:** 06/28/21**SAMPLE RESULTS**

Lab ID: L2133736-01 D

Date Collected: 06/22/21 09:06

Client ID: SP-1

Date Received: 06/22/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	15.1	--	ND	54.4	--		30.12
Chloroform	ND	6.02	--	ND	29.4	--		30.12
Tetrahydrofuran	ND	15.1	--	ND	44.5	--		30.12
1,2-Dichloroethane	ND	6.02	--	ND	24.4	--		30.12
n-Hexane	ND	6.02	--	ND	21.2	--		30.12
1,1,1-Trichloroethane	ND	6.02	--	ND	32.8	--		30.12
Benzene	ND	6.02	--	ND	19.2	--		30.12
Carbon tetrachloride	ND	6.02	--	ND	37.9	--		30.12
Cyclohexane	ND	6.02	--	ND	20.7	--		30.12
1,2-Dichloropropane	ND	6.02	--	ND	27.8	--		30.12
Bromodichloromethane	ND	6.02	--	ND	40.3	--		30.12
Xylene (Total)	ND	6.02	--	ND	26.1	--		30.12
1,4-Dioxane	ND	6.02	--	ND	21.7	--		30.12
Trichloroethene	ND	6.02	--	ND	32.4	--		30.12
2,2,4-Trimethylpentane	ND	6.02	--	ND	28.1	--		30.12
Heptane	ND	6.02	--	ND	24.7	--		30.12
cis-1,3-Dichloropropene	ND	6.02	--	ND	27.3	--		30.12
4-Methyl-2-pentanone	ND	15.1	--	ND	61.9	--		30.12
trans-1,3-Dichloropropene	ND	6.02	--	ND	27.3	--		30.12
1,1,2-Trichloroethane	ND	6.02	--	ND	32.8	--		30.12
Toluene	ND	6.02	--	ND	22.7	--		30.12
1,2-Dichloroethene (total)	ND	6.02	--	ND	23.9	--		30.12
2-Hexanone	ND	6.02	--	ND	24.7	--		30.12
Dibromochloromethane	ND	6.02	--	ND	51.3	--		30.12
1,3-Dichloropropene, Total	ND	6.02	--	ND	27.3	--		30.12
1,2-Dibromoethane	ND	6.02	--	ND	46.3	--		30.12



Project Name: OSJL- CENTEREACH**Lab Number:** L2133736**Project Number:** 30088967**Report Date:** 06/28/21**SAMPLE RESULTS**

Lab ID: L2133736-01 D
 Client ID: SP-1
 Sample Location: CENTEREACH, NY

Date Collected: 06/22/21 09:06
 Date Received: 06/22/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	1960	6.02	--	13300	40.8	--		30.12
Chlorobenzene	ND	6.02	--	ND	27.7	--		30.12
Ethylbenzene	ND	6.02	--	ND	26.1	--		30.12
p/m-Xylene	ND	12.0	--	ND	52.1	--		30.12
Bromoform	ND	6.02	--	ND	62.2	--		30.12
Styrene	ND	6.02	--	ND	25.6	--		30.12
1,1,2,2-Tetrachloroethane	ND	6.02	--	ND	41.3	--		30.12
o-Xylene	ND	6.02	--	ND	26.1	--		30.12
4-Ethyltoluene	ND	6.02	--	ND	29.6	--		30.12
1,3,5-Trimethylbenzene	ND	6.02	--	ND	29.6	--		30.12
1,2,4-Trimethylbenzene	ND	6.02	--	ND	29.6	--		30.12
Benzyl chloride	ND	6.02	--	ND	31.2	--		30.12
1,3-Dichlorobenzene	ND	6.02	--	ND	36.2	--		30.12
1,4-Dichlorobenzene	ND	6.02	--	ND	36.2	--		30.12
1,2-Dichlorobenzene	ND	6.02	--	ND	36.2	--		30.12
1,2,4-Trichlorobenzene	ND	6.02	--	ND	44.7	--		30.12
Hexachlorobutadiene	ND	6.02	--	ND	64.2	--		30.12

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: OSJL- CENTEREACH

Lab Number: L2133736

Project Number: 30088967

Report Date: 06/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/25/21 17:46

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1517170-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: OSJL- CENTEREACH

Lab Number: L2133736

Project Number: 30088967

Report Date: 06/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/25/21 17:46

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1517170-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1



Project Name: OSJL- CENTEREACH

Lab Number: L2133736

Project Number: 30088967

Report Date: 06/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/25/21 17:46

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1517170-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: OSJL- CENTEREACH

Lab Number: L2133736

Project Number: 30088967

Report Date: 06/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/25/21 17:46

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1517170-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2133736**Project Number:** 30088967**Report Date:** 06/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/25/21 17:46

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1517170-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2133736

Report Date: 06/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1517170-3								
Chlorodifluoromethane	73		-		70-130	-		
Propylene	100		-		70-130	-		
Propane	72		-		70-130	-		
Dichlorodifluoromethane	88		-		70-130	-		
Chloromethane	87		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	88		-		70-130	-		
Methanol	74		-		70-130	-		
Vinyl chloride	88		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Butane	83		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethyl Alcohol	81		-		40-160	-		
Dichlorofluoromethane	80		-		70-130	-		
Vinyl bromide	90		-		70-130	-		
Acrolein	73		-		60-113	-		
Acetone	77		-		40-160	-		
Acetonitrile	73		-		70-130	-		
Trichlorofluoromethane	90		-		70-130	-		
iso-Propyl Alcohol	74		-		40-160	-		
Acrylonitrile	80		-		70-130	-		
Pentane	85		-		70-130	-		
Ethyl ether	75		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2133736

Report Date: 06/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1517170-3								
1,1-Dichloroethene	94		-		70-130	-		
tert-Butyl Alcohol	79		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	89		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	95		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
Vinyl acetate	87		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	99		-		70-130	-		
Ethyl Acetate	96		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	93		-		70-130	-		
2,2-Dichloropropane	83		-		70-130	-		
1,2-Dichloroethane	93		-		70-130	-		
n-Hexane	98		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		
Ethyl-Tert-Butyl-Ether	84		-		70-130	-		
1,2-Dichloroethene (total)	95		-			-		
1,2-Dichloroethene (total)	95		-			-		
1,1,1-Trichloroethane	101		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2133736

Report Date: 06/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1517170-3								
1,1-Dichloropropene	93		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	99		-		70-130	-		
Tertiary-Amyl Methyl Ether	82		-		70-130	-		
Dibromomethane	85		-		70-130	-		
1,2-Dichloropropane	97		-		70-130	-		
Bromodichloromethane	99		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Methyl Methacrylate	72		-		40-160	-		
Heptane	101		-		70-130	-		
cis-1,3-Dichloropropene	99		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	95		-		70-130	-		
Toluene	95		-		70-130	-		
1,3-Dichloropropane	86		-		70-130	-		
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	99		-		70-130	-		
Butyl Acetate	87		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2133736

Report Date: 06/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1517170-3								
Octane	85		-		70-130	-		
Tetrachloroethene	97		-		70-130	-		
1,1,1,2-Tetrachloroethane	86		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	108		-		70-130	-		
Styrene	96		-		70-130	-		
1,1,2,2-Tetrachloroethane	103		-		70-130	-		
o-Xylene	98		-		70-130	-		
1,2,3-Trichloropropane	88		-		70-130	-		
Nonane (C9)	88		-		70-130	-		
Isopropylbenzene	89		-		70-130	-		
Bromobenzene	88		-		70-130	-		
o-Chlorotoluene	81		-		70-130	-		
n-Propylbenzene	83		-		70-130	-		
p-Chlorotoluene	80		-		70-130	-		
4-Ethyltoluene	93		-		70-130	-		
1,3,5-Trimethylbenzene	93		-		70-130	-		
tert-Butylbenzene	84		-		70-130	-		
1,2,4-Trimethylbenzene	99		-		70-130	-		
Decane (C10)	87		-		70-130	-		
Benzyl chloride	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2133736

Report Date: 06/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1517170-3								
1,3-Dichlorobenzene	99		-		70-130	-		
1,4-Dichlorobenzene	96		-		70-130	-		
sec-Butylbenzene	86		-		70-130	-		
p-Isopropyltoluene	80		-		70-130	-		
1,2-Dichlorobenzene	95		-		70-130	-		
n-Butylbenzene	90		-		70-130	-		
1,2-Dibromo-3-chloropropane	89		-		70-130	-		
Undecane	92		-		70-130	-		
Dodecane (C12)	91		-		70-130	-		
1,2,4-Trichlorobenzene	98		-		70-130	-		
Naphthalene	82		-		70-130	-		
1,2,3-Trichlorobenzene	89		-		70-130	-		
Hexachlorobutadiene	99		-		70-130	-		

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Serial_No:06282111:41
Lab Number: L2133736

Report Date: 06/28/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2133736-01	SP-1	01800	Flow 2	06/11/21	354907		-	-	-	Pass	200	205	2
L2133736-01	SP-1	514	2.7L Can	06/11/21	354907	L2129852-01	Pass	-29.1	-5.7	-	-	-	-
L2133736-02	UNUSED CAN #2521	2521	2.7L Can	06/11/21	354907	L2130502-05	Pass	-29.4	-16.9	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/06/21 16:33
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2129852**Project Number:** CANISTER QC BAT**Report Date:** 06/28/21**Air Canister Certification Results**

Lab ID: L2129852-01

Date Collected: 06/03/21 16:00

Client ID: CAN 510 SHELF 15

Date Received: 06/04/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/06/21 16:33
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2129852
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2129852-01
Client ID: CAN 510 SHELF 15
Sample Location:

Date Collected: 06/03/21 16:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/09/21 00:31
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2130502**Project Number:** CANISTER QC BAT**Report Date:** 06/28/21**Air Canister Certification Results**

Lab ID: L2130502-05

Date Collected: 06/08/21 07:00

Client ID: CAN 2242 SHELF 8

Date Received: 06/08/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	111		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/09/21 00:31
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2130502
Report Date: 06/28/21

Air Canister Certification Results

Lab ID: L2130502-05
Client ID: CAN 2242 SHELF 8
Sample Location:

Date Collected: 06/08/21 07:00
Date Received: 06/08/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	112		60-140



Project Name: OSJL- CENTEREACH
Project Number: 30088967

Serial_No:06282111:41
Lab Number: L2133736
Report Date: 06/28/21

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2133736-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2133736-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		CLEAN-FEE()

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133736
Report Date: 06/28/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133736
Report Date: 06/28/21

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133736
Report Date: 06/28/21

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2133736
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REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



ANALYTICAL REPORT

Lab Number:	L2126932
Client:	Levine-Fricke Recon 2240 South County Trail Suite 5 E.Greenwich, RI 02886
ATTN:	Donna Pallister
Phone:	(401) 285-2235
Project Name:	OSJL- CENTEREACH
Project Number:	30088967
Report Date:	05/28/21

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2126932-01	IA-1	AIR	CENTEREACH, NY	05/18/21 16:47	05/21/21
L2126932-02	IA-2	AIR	CENTEREACH, NY	05/18/21 16:49	05/21/21
L2126932-03	IA-4	AIR	CENTEREACH, NY	05/18/21 16:55	05/21/21
L2126932-04	IA-5	AIR	CENTEREACH, NY	05/18/21 17:00	05/21/21
L2126932-05	IA-6	AIR	CENTEREACH, NY	05/18/21 17:06	05/21/21
L2126932-06	IA-7	AIR	CENTEREACH, NY	05/18/21 17:09	05/21/21
L2126932-07	AA-1	AIR	CENTEREACH, NY	05/18/21 17:02	05/21/21
L2126932-08	IA-3	AIR	CENTEREACH, NY	05/18/21 17:26	05/21/21
L2126932-09	SS-4	SOIL_VAPOR	CENTEREACH, NY	05/20/21 07:55	05/21/21
L2126932-10	SS-5	SOIL_VAPOR	CENTEREACH, NY	05/20/21 08:17	05/21/21
L2126932-11	SS-6	SOIL_VAPOR	CENTEREACH, NY	05/20/21 08:37	05/21/21
L2126932-12	SS-7	SOIL_VAPOR	CENTEREACH, NY	05/20/21 08:50	05/21/21
L2126932-13	SS-8	SOIL_VAPOR	CENTEREACH, NY	05/20/21 09:15	05/21/21
L2126932-14	SS-9	SOIL_VAPOR	CENTEREACH, NY	05/20/21 09:17	05/21/21
L2126932-15	SS-10	SOIL_VAPOR	CENTEREACH, NY	05/20/21 09:52	05/21/21
L2126932-16	SS-11	SOIL_VAPOR	CENTEREACH, NY	05/20/21 10:19	05/21/21
L2126932-17	SS-12	SOIL_VAPOR	CENTEREACH, NY	05/20/21 10:20	05/21/21
L2126932-18	SS-13	SOIL_VAPOR	CENTEREACH, NY	05/20/21 10:51	05/21/21
L2126932-19	SS-14	SOIL_VAPOR	CENTEREACH, NY	05/20/21 10:52	05/21/21
L2126932-20	SS-15	SOIL_VAPOR	CENTEREACH, NY	05/20/21 11:25	05/21/21
L2126932-21	UNUSED CAN 1768	SOIL_VAPOR	CENTEREACH, NY		05/21/21
L2126932-22	UNUSED CAN 1873	SOIL_VAPOR	CENTEREACH, NY		05/21/21

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2126932
Report Date: 05/28/21

Case Narrative

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

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

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

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

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

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

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2126932
Report Date: 05/28/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 17, 2021. The canister certification results are provided as an addendum.

L2126932-09D through -18D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 05/28/21

AIR

Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-01
 Client ID: IA-1
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 16:47
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/21 16:59
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.456	0.200	--	2.25	0.989	--		1
Chloromethane	1.02	0.200	--	2.11	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	332	5.00	--	626	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	22.5	1.00	--	53.4	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	30.1	0.500	--	74.0	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.931	0.200	--	2.90	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.34	0.500	--	9.85	1.47	--		1
Ethyl Acetate	3.38	0.500	--	12.2	1.80	--		1
Chloroform	0.597	0.200	--	2.92	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-01

Date Collected: 05/18/21 16:47

Client ID: IA-1

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	0.409	0.200	--	1.66	0.809	--		1
n-Hexane	0.264	0.200	--	0.930	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.363	0.200	--	1.25	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.26	0.500	--	9.26	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.06	0.200	--	11.5	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.944	0.200	--	4.10	0.869	--		1
p/m-Xylene	3.79	0.400	--	16.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.800	0.200	--	3.41	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.91	0.200	--	8.30	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.218	0.200	--	1.07	0.983	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-01

Date Collected: 05/18/21 16:47

Client ID: IA-1

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.983	0.200	--	4.83	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.211	0.200	--	1.27	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-01
 Client ID: IA-1
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 16:47
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/21 16:59
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.157	0.020	--	0.988	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.710	0.020	--	4.81	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-02
 Client ID: IA-2
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 16:49
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/21 17:38
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.460	0.200	--	2.27	0.989	--		1
Chloromethane	0.919	0.200	--	1.90	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	310	5.00	--	584	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	19.7	1.00	--	46.8	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	29.4	0.500	--	72.3	1.23	--		1
Tertiary butyl Alcohol	0.904	0.500	--	2.74	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.888	0.200	--	2.77	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.66	0.500	--	7.85	1.47	--		1
Ethyl Acetate	2.53	0.500	--	9.12	1.80	--		1
Chloroform	0.433	0.200	--	2.11	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-02

Client ID: IA-2

Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 16:49

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	0.345	0.200	--	1.40	0.809	--		1
n-Hexane	0.229	0.200	--	0.807	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.278	0.200	--	0.957	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.248	0.200	--	1.02	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.62	0.500	--	6.64	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.84	0.200	--	10.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.958	0.200	--	4.16	0.869	--		1
p/m-Xylene	3.28	0.400	--	14.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.47	0.200	--	6.26	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.54	0.200	--	6.69	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-02

Date Collected: 05/18/21 16:49

Client ID: IA-2

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.772	0.200	--	3.80	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.249	0.200	--	1.50	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-02
 Client ID: IA-2
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 16:49
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/21 17:38
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.153	0.020	--	0.962	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	1.05	0.020	--	7.12	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-03
 Client ID: IA-4
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 16:55
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/21 18:17
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.477	0.200	--	2.36	0.989	--		1
Chloromethane	0.523	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.7	5.00	--	20.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	2.84	0.500	--	6.98	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.596	0.500	--	1.76	1.47	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-03
 Client ID: IA-4
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 16:55
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.208	0.200	--	0.784	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-03

Date Collected: 05/18/21 16:55

Client ID: IA-4

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	91		60-140



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-03
 Client ID: IA-4
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 16:55
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/21 18:17
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.194	0.020	--	1.32	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-04
 Client ID: IA-5
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:00
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/21 19:35
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.470	0.200	--	2.32	0.989	--		1
Chloromethane	0.515	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	17.1	5.00	--	32.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.218	0.200	--	1.23	1.12	--		1
Isopropanol	0.905	0.500	--	2.22	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-04

Date Collected: 05/18/21 17:00

Client ID: IA-5

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-04

Date Collected: 05/18/21 17:00

Client ID: IA-5

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-04
 Client ID: IA-5
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:00
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/21 19:35
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.214	0.020	--	1.45	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-05
 Client ID: IA-6
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:06
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/21 20:14
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.469	0.200	--	2.32	0.989	--		1
Chloromethane	0.514	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	12.5	5.00	--	23.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Isopropanol	0.733	0.500	--	1.80	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-05

Client ID: IA-6

Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:06

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-05

Date Collected: 05/18/21 17:06

Client ID: IA-6

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-05
 Client ID: IA-6
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:06
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/21 20:14
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.036	0.020	--	0.244	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-06
 Client ID: IA-7
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:09
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/21 20:53
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.468	0.200	--	2.31	0.989	--		1
Chloromethane	0.541	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	24.0	5.00	--	45.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.52	1.00	--	8.36	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	1.08	0.500	--	2.65	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-06
 Client ID: IA-7
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:09
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-06

Date Collected: 05/18/21 17:09

Client ID: IA-7

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-06
 Client ID: IA-7
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:09
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/21 20:53
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-07
 Client ID: AA-1
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:02
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/21 16:20
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.459	0.200	--	2.27	0.989	--		1
Chloromethane	0.486	0.200	--	1.00	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	22.3	5.00	--	42.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.51	1.00	--	10.7	2.38	--		1
Trichlorofluoromethane	0.209	0.200	--	1.17	1.12	--		1
Isopropanol	1.03	0.500	--	2.53	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-07

Client ID: AA-1

Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:02

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.226	0.200	--	0.852	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-07

Date Collected: 05/18/21 17:02

Client ID: AA-1

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-07
 Client ID: AA-1
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:02
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/21 16:20
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.072	0.020	--	0.488	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-08
 Client ID: IA-3
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:26
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/21 21:32
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.459	0.200	--	2.27	0.989	--		1
Chloromethane	0.572	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	210	5.00	--	396	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.51	1.00	--	17.8	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	3.85	0.500	--	9.46	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-08

Date Collected: 05/18/21 17:26

Client ID: IA-3

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	0.276	0.200	--	1.12	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.354	0.200	--	1.33	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-08

Date Collected: 05/18/21 17:26

Client ID: IA-3

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-08
 Client ID: IA-3
 Sample Location: CENTEREACH, NY

Date Collected: 05/18/21 17:26
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/21 21:32
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.384	0.020	--	2.60	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-09 D
 Client ID: SS-4
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 07:55
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/27/21 19:27
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	ND	0.667	--	ND	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	184	16.7	--	347	31.5	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	11.8	3.33	--	28.0	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	5.01	1.67	--	12.3	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	2.45	1.67	--	7.43	5.06	--		3.333
Methylene chloride	ND	1.67	--	ND	5.80	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	ND	0.667	--	ND	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	ND	1.67	--	ND	4.93	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-09 D

Client ID: SS-4

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 07:55

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	ND	0.667	--	ND	3.26	--		3.333
Tetrahydrofuran	ND	1.67	--	ND	4.93	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	ND	0.667	--	ND	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	ND	0.667	--	ND	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	ND	0.667	--	ND	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	ND	0.667	--	ND	3.58	--		3.333
2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--		3.333
Heptane	ND	0.667	--	ND	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	1.67	--	ND	6.84	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	ND	0.667	--	ND	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	210	0.667	--	1420	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	ND	0.667	--	ND	2.90	--		3.333



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-09 D

Date Collected: 05/20/21 07:55

Client ID: SS-4

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	1.33	--	ND	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	ND	0.667	--	ND	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	0.886	0.667	--	4.36	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-10 D
 Client ID: SS-5
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 08:17
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/27/21 20:04
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.540	0.400	--	2.67	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	145	10.0	--	273	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	9.33	2.00	--	22.2	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	5.88	1.00	--	14.5	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	2.28	1.00	--	6.91	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	ND	0.400	--	ND	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	ND	1.00	--	ND	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-10 D

Client ID: SS-5

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 08:17

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	ND	0.400	--	ND	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	0.614	0.400	--	2.31	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	147	0.400	--	997	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-10 D

Client ID: SS-5

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 08:17

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.952	0.800	--	4.14	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	0.442	0.400	--	1.92	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	0.742	0.400	--	3.65	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	99		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-11 D
 Client ID: SS-6
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 08:37
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/27/21 20:40
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	5.00	--	ND	24.7	--		25
Chloromethane	ND	5.00	--	ND	10.3	--		25
Freon-114	ND	5.00	--	ND	34.9	--		25
Vinyl chloride	ND	5.00	--	ND	12.8	--		25
1,3-Butadiene	ND	5.00	--	ND	11.1	--		25
Bromomethane	ND	5.00	--	ND	19.4	--		25
Chloroethane	ND	5.00	--	ND	13.2	--		25
Ethanol	ND	125	--	ND	236	--		25
Vinyl bromide	ND	5.00	--	ND	21.9	--		25
Acetone	ND	25.0	--	ND	59.4	--		25
Trichlorofluoromethane	ND	5.00	--	ND	28.1	--		25
Isopropanol	ND	12.5	--	ND	30.7	--		25
1,1-Dichloroethene	ND	5.00	--	ND	19.8	--		25
Tertiary butyl Alcohol	ND	12.5	--	ND	37.9	--		25
Methylene chloride	ND	12.5	--	ND	43.4	--		25
3-Chloropropene	ND	5.00	--	ND	15.7	--		25
Carbon disulfide	ND	5.00	--	ND	15.6	--		25
Freon-113	ND	5.00	--	ND	38.3	--		25
trans-1,2-Dichloroethene	ND	5.00	--	ND	19.8	--		25
1,1-Dichloroethane	ND	5.00	--	ND	20.2	--		25
Methyl tert butyl ether	ND	5.00	--	ND	18.0	--		25
2-Butanone	ND	12.5	--	ND	36.9	--		25
cis-1,2-Dichloroethene	ND	5.00	--	ND	19.8	--		25



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-11 D

Client ID: SS-6

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 08:37

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	12.5	--	ND	45.0	--		25
Chloroform	ND	5.00	--	ND	24.4	--		25
Tetrahydrofuran	ND	12.5	--	ND	36.9	--		25
1,2-Dichloroethane	ND	5.00	--	ND	20.2	--		25
n-Hexane	ND	5.00	--	ND	17.6	--		25
1,1,1-Trichloroethane	ND	5.00	--	ND	27.3	--		25
Benzene	ND	5.00	--	ND	16.0	--		25
Carbon tetrachloride	ND	5.00	--	ND	31.5	--		25
Cyclohexane	ND	5.00	--	ND	17.2	--		25
1,2-Dichloropropane	ND	5.00	--	ND	23.1	--		25
Bromodichloromethane	ND	5.00	--	ND	33.5	--		25
1,4-Dioxane	ND	5.00	--	ND	18.0	--		25
Trichloroethene	ND	5.00	--	ND	26.9	--		25
2,2,4-Trimethylpentane	ND	5.00	--	ND	23.4	--		25
Heptane	ND	5.00	--	ND	20.5	--		25
cis-1,3-Dichloropropene	ND	5.00	--	ND	22.7	--		25
4-Methyl-2-pentanone	ND	12.5	--	ND	51.2	--		25
trans-1,3-Dichloropropene	ND	5.00	--	ND	22.7	--		25
1,1,2-Trichloroethane	ND	5.00	--	ND	27.3	--		25
Toluene	ND	5.00	--	ND	18.8	--		25
2-Hexanone	ND	5.00	--	ND	20.5	--		25
Dibromochloromethane	ND	5.00	--	ND	42.6	--		25
1,2-Dibromoethane	ND	5.00	--	ND	38.4	--		25
Tetrachloroethene	1110	5.00	--	7530	33.9	--		25
Chlorobenzene	ND	5.00	--	ND	23.0	--		25
Ethylbenzene	ND	5.00	--	ND	21.7	--		25



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-11 D

Date Collected: 05/20/21 08:37

Client ID: SS-6

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	10.0	--	ND	43.4	--		25
Bromoform	ND	5.00	--	ND	51.7	--		25
Styrene	ND	5.00	--	ND	21.3	--		25
1,1,2,2-Tetrachloroethane	ND	5.00	--	ND	34.3	--		25
o-Xylene	ND	5.00	--	ND	21.7	--		25
4-Ethyltoluene	ND	5.00	--	ND	24.6	--		25
1,3,5-Trimethylbenzene	ND	5.00	--	ND	24.6	--		25
1,2,4-Trimethylbenzene	ND	5.00	--	ND	24.6	--		25
Benzyl chloride	ND	5.00	--	ND	25.9	--		25
1,3-Dichlorobenzene	ND	5.00	--	ND	30.1	--		25
1,4-Dichlorobenzene	ND	5.00	--	ND	30.1	--		25
1,2-Dichlorobenzene	ND	5.00	--	ND	30.1	--		25
1,2,4-Trichlorobenzene	ND	5.00	--	ND	37.1	--		25
Hexachlorobutadiene	ND	5.00	--	ND	53.3	--		25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-12 D
 Client ID: SS-7
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 08:50
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/27/21 21:17
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	12.6	--	ND	62.3	--		62.81
Chloromethane	ND	12.6	--	ND	26.0	--		62.81
Freon-114	ND	12.6	--	ND	88.1	--		62.81
Vinyl chloride	ND	12.6	--	ND	32.2	--		62.81
1,3-Butadiene	ND	12.6	--	ND	27.9	--		62.81
Bromomethane	ND	12.6	--	ND	48.9	--		62.81
Chloroethane	ND	12.6	--	ND	33.2	--		62.81
Ethanol	323	314	--	609	592	--		62.81
Vinyl bromide	ND	12.6	--	ND	55.1	--		62.81
Acetone	119	62.8	--	283	149	--		62.81
Trichlorofluoromethane	ND	12.6	--	ND	70.8	--		62.81
Isopropanol	ND	31.4	--	ND	77.2	--		62.81
1,1-Dichloroethene	ND	12.6	--	ND	50.0	--		62.81
Tertiary butyl Alcohol	ND	31.4	--	ND	95.2	--		62.81
Methylene chloride	ND	31.4	--	ND	109	--		62.81
3-Chloropropene	ND	12.6	--	ND	39.4	--		62.81
Carbon disulfide	ND	12.6	--	ND	39.2	--		62.81
Freon-113	ND	12.6	--	ND	96.6	--		62.81
trans-1,2-Dichloroethene	ND	12.6	--	ND	50.0	--		62.81
1,1-Dichloroethane	ND	12.6	--	ND	51.0	--		62.81
Methyl tert butyl ether	ND	12.6	--	ND	45.4	--		62.81
2-Butanone	ND	31.4	--	ND	92.6	--		62.81
cis-1,2-Dichloroethene	ND	12.6	--	ND	50.0	--		62.81



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-12 D

Date Collected: 05/20/21 08:50

Client ID: SS-7

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	31.4	--	ND	113	--		62.81
Chloroform	ND	12.6	--	ND	61.5	--		62.81
Tetrahydrofuran	ND	31.4	--	ND	92.6	--		62.81
1,2-Dichloroethane	ND	12.6	--	ND	51.0	--		62.81
n-Hexane	ND	12.6	--	ND	44.4	--		62.81
1,1,1-Trichloroethane	ND	12.6	--	ND	68.7	--		62.81
Benzene	ND	12.6	--	ND	40.3	--		62.81
Carbon tetrachloride	ND	12.6	--	ND	79.3	--		62.81
Cyclohexane	ND	12.6	--	ND	43.4	--		62.81
1,2-Dichloropropane	ND	12.6	--	ND	58.2	--		62.81
Bromodichloromethane	ND	12.6	--	ND	84.4	--		62.81
1,4-Dioxane	ND	12.6	--	ND	45.4	--		62.81
Trichloroethene	ND	12.6	--	ND	67.7	--		62.81
2,2,4-Trimethylpentane	ND	12.6	--	ND	58.9	--		62.81
Heptane	ND	12.6	--	ND	51.6	--		62.81
cis-1,3-Dichloropropene	ND	12.6	--	ND	57.2	--		62.81
4-Methyl-2-pentanone	ND	31.4	--	ND	129	--		62.81
trans-1,3-Dichloropropene	ND	12.6	--	ND	57.2	--		62.81
1,1,2-Trichloroethane	ND	12.6	--	ND	68.7	--		62.81
Toluene	ND	12.6	--	ND	47.5	--		62.81
2-Hexanone	ND	12.6	--	ND	51.6	--		62.81
Dibromochloromethane	ND	12.6	--	ND	107	--		62.81
1,2-Dibromoethane	ND	12.6	--	ND	96.8	--		62.81
Tetrachloroethene	3700	12.6	--	25100	85.4	--		62.81
Chlorobenzene	ND	12.6	--	ND	58.0	--		62.81
Ethylbenzene	ND	12.6	--	ND	54.7	--		62.81



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-12 D

Date Collected: 05/20/21 08:50

Client ID: SS-7

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	25.1	--	ND	109	--		62.81
Bromoform	ND	12.6	--	ND	130	--		62.81
Styrene	ND	12.6	--	ND	53.6	--		62.81
1,1,2,2-Tetrachloroethane	ND	12.6	--	ND	86.5	--		62.81
o-Xylene	ND	12.6	--	ND	54.7	--		62.81
4-Ethyltoluene	ND	12.6	--	ND	61.9	--		62.81
1,3,5-Trimethylbenzene	ND	12.6	--	ND	61.9	--		62.81
1,2,4-Trimethylbenzene	ND	12.6	--	ND	61.9	--		62.81
Benzyl chloride	ND	12.6	--	ND	65.2	--		62.81
1,3-Dichlorobenzene	ND	12.6	--	ND	75.8	--		62.81
1,4-Dichlorobenzene	ND	12.6	--	ND	75.8	--		62.81
1,2-Dichlorobenzene	ND	12.6	--	ND	75.8	--		62.81
1,2,4-Trichlorobenzene	ND	12.6	--	ND	93.5	--		62.81
Hexachlorobutadiene	ND	12.6	--	ND	134	--		62.81

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-13 D
 Client ID: SS-8
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 09:15
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/27/21 21:53
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	19.4	--	ND	95.9	--		97.28
Chloromethane	ND	19.4	--	ND	40.1	--		97.28
Freon-114	ND	19.4	--	ND	136	--		97.28
Vinyl chloride	ND	19.4	--	ND	49.6	--		97.28
1,3-Butadiene	ND	19.4	--	ND	42.9	--		97.28
Bromomethane	ND	19.4	--	ND	75.3	--		97.28
Chloroethane	ND	19.4	--	ND	51.2	--		97.28
Ethanol	ND	486	--	ND	916	--		97.28
Vinyl bromide	ND	19.4	--	ND	84.8	--		97.28
Acetone	131	97.3	--	311	231	--		97.28
Trichlorofluoromethane	ND	19.4	--	ND	109	--		97.28
Isopropanol	ND	48.6	--	ND	119	--		97.28
1,1-Dichloroethene	ND	19.4	--	ND	76.9	--		97.28
Tertiary butyl Alcohol	ND	48.6	--	ND	147	--		97.28
Methylene chloride	ND	48.6	--	ND	169	--		97.28
3-Chloropropene	ND	19.4	--	ND	60.7	--		97.28
Carbon disulfide	ND	19.4	--	ND	60.4	--		97.28
Freon-113	ND	19.4	--	ND	149	--		97.28
trans-1,2-Dichloroethene	ND	19.4	--	ND	76.9	--		97.28
1,1-Dichloroethane	ND	19.4	--	ND	78.5	--		97.28
Methyl tert butyl ether	ND	19.4	--	ND	69.9	--		97.28
2-Butanone	ND	48.6	--	ND	143	--		97.28
cis-1,2-Dichloroethene	ND	19.4	--	ND	76.9	--		97.28



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-13 D

Client ID: SS-8

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 09:15

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	48.6	--	ND	175	--		97.28
Chloroform	ND	19.4	--	ND	94.7	--		97.28
Tetrahydrofuran	ND	48.6	--	ND	143	--		97.28
1,2-Dichloroethane	ND	19.4	--	ND	78.5	--		97.28
n-Hexane	ND	19.4	--	ND	68.4	--		97.28
1,1,1-Trichloroethane	ND	19.4	--	ND	106	--		97.28
Benzene	ND	19.4	--	ND	62.0	--		97.28
Carbon tetrachloride	ND	19.4	--	ND	122	--		97.28
Cyclohexane	ND	19.4	--	ND	66.8	--		97.28
1,2-Dichloropropane	ND	19.4	--	ND	89.7	--		97.28
Bromodichloromethane	ND	19.4	--	ND	130	--		97.28
1,4-Dioxane	ND	19.4	--	ND	69.9	--		97.28
Trichloroethene	ND	19.4	--	ND	104	--		97.28
2,2,4-Trimethylpentane	ND	19.4	--	ND	90.6	--		97.28
Heptane	ND	19.4	--	ND	79.5	--		97.28
cis-1,3-Dichloropropene	ND	19.4	--	ND	88.1	--		97.28
4-Methyl-2-pentanone	ND	48.6	--	ND	199	--		97.28
trans-1,3-Dichloropropene	ND	19.4	--	ND	88.1	--		97.28
1,1,2-Trichloroethane	ND	19.4	--	ND	106	--		97.28
Toluene	ND	19.4	--	ND	73.1	--		97.28
2-Hexanone	ND	19.4	--	ND	79.5	--		97.28
Dibromochloromethane	ND	19.4	--	ND	165	--		97.28
1,2-Dibromoethane	ND	19.4	--	ND	149	--		97.28
Tetrachloroethene	6280	19.4	--	42600	132	--		97.28
Chlorobenzene	ND	19.4	--	ND	89.3	--		97.28
Ethylbenzene	ND	19.4	--	ND	84.3	--		97.28



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-13 D

Client ID: SS-8

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 09:15

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	38.9	--	ND	169	--		97.28
Bromoform	ND	19.4	--	ND	201	--		97.28
Styrene	ND	19.4	--	ND	82.6	--		97.28
1,1,2,2-Tetrachloroethane	ND	19.4	--	ND	133	--		97.28
o-Xylene	ND	19.4	--	ND	84.3	--		97.28
4-Ethyltoluene	ND	19.4	--	ND	95.4	--		97.28
1,3,5-Trimethylbenzene	ND	19.4	--	ND	95.4	--		97.28
1,2,4-Trimethylbenzene	ND	19.4	--	ND	95.4	--		97.28
Benzyl chloride	ND	19.4	--	ND	100	--		97.28
1,3-Dichlorobenzene	ND	19.4	--	ND	117	--		97.28
1,4-Dichlorobenzene	ND	19.4	--	ND	117	--		97.28
1,2-Dichlorobenzene	ND	19.4	--	ND	117	--		97.28
1,2,4-Trichlorobenzene	ND	19.4	--	ND	144	--		97.28
Hexachlorobutadiene	ND	19.4	--	ND	207	--		97.28

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-14 D
 Client ID: SS-9
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 09:17
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/27/21 22:28
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	5.00	--	ND	24.7	--		25
Chloromethane	ND	5.00	--	ND	10.3	--		25
Freon-114	ND	5.00	--	ND	34.9	--		25
Vinyl chloride	ND	5.00	--	ND	12.8	--		25
1,3-Butadiene	ND	5.00	--	ND	11.1	--		25
Bromomethane	ND	5.00	--	ND	19.4	--		25
Chloroethane	ND	5.00	--	ND	13.2	--		25
Ethanol	339	125	--	639	236	--		25
Vinyl bromide	ND	5.00	--	ND	21.9	--		25
Acetone	53.9	25.0	--	128	59.4	--		25
Trichlorofluoromethane	ND	5.00	--	ND	28.1	--		25
Isopropanol	23.0	12.5	--	56.5	30.7	--		25
1,1-Dichloroethene	ND	5.00	--	ND	19.8	--		25
Tertiary butyl Alcohol	ND	12.5	--	ND	37.9	--		25
Methylene chloride	ND	12.5	--	ND	43.4	--		25
3-Chloropropene	ND	5.00	--	ND	15.7	--		25
Carbon disulfide	ND	5.00	--	ND	15.6	--		25
Freon-113	ND	5.00	--	ND	38.3	--		25
trans-1,2-Dichloroethene	ND	5.00	--	ND	19.8	--		25
1,1-Dichloroethane	ND	5.00	--	ND	20.2	--		25
Methyl tert butyl ether	ND	5.00	--	ND	18.0	--		25
2-Butanone	ND	12.5	--	ND	36.9	--		25
cis-1,2-Dichloroethene	ND	5.00	--	ND	19.8	--		25



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-14 D

Client ID: SS-9

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 09:17

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	12.5	--	ND	45.0	--		25
Chloroform	ND	5.00	--	ND	24.4	--		25
Tetrahydrofuran	ND	12.5	--	ND	36.9	--		25
1,2-Dichloroethane	ND	5.00	--	ND	20.2	--		25
n-Hexane	ND	5.00	--	ND	17.6	--		25
1,1,1-Trichloroethane	ND	5.00	--	ND	27.3	--		25
Benzene	5.00	5.00	--	16.0	16.0	--		25
Carbon tetrachloride	ND	5.00	--	ND	31.5	--		25
Cyclohexane	ND	5.00	--	ND	17.2	--		25
1,2-Dichloropropane	ND	5.00	--	ND	23.1	--		25
Bromodichloromethane	ND	5.00	--	ND	33.5	--		25
1,4-Dioxane	ND	5.00	--	ND	18.0	--		25
Trichloroethene	9.02	5.00	--	48.5	26.9	--		25
2,2,4-Trimethylpentane	ND	5.00	--	ND	23.4	--		25
Heptane	ND	5.00	--	ND	20.5	--		25
cis-1,3-Dichloropropene	ND	5.00	--	ND	22.7	--		25
4-Methyl-2-pentanone	ND	12.5	--	ND	51.2	--		25
trans-1,3-Dichloropropene	ND	5.00	--	ND	22.7	--		25
1,1,2-Trichloroethane	ND	5.00	--	ND	27.3	--		25
Toluene	ND	5.00	--	ND	18.8	--		25
2-Hexanone	ND	5.00	--	ND	20.5	--		25
Dibromochloromethane	ND	5.00	--	ND	42.6	--		25
1,2-Dibromoethane	ND	5.00	--	ND	38.4	--		25
Tetrachloroethene	1890	5.00	--	12800	33.9	--		25
Chlorobenzene	ND	5.00	--	ND	23.0	--		25
Ethylbenzene	ND	5.00	--	ND	21.7	--		25



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-14 D

Date Collected: 05/20/21 09:17

Client ID: SS-9

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	10.0	--	ND	43.4	--		25
Bromoform	ND	5.00	--	ND	51.7	--		25
Styrene	ND	5.00	--	ND	21.3	--		25
1,1,2,2-Tetrachloroethane	ND	5.00	--	ND	34.3	--		25
o-Xylene	ND	5.00	--	ND	21.7	--		25
4-Ethyltoluene	ND	5.00	--	ND	24.6	--		25
1,3,5-Trimethylbenzene	ND	5.00	--	ND	24.6	--		25
1,2,4-Trimethylbenzene	ND	5.00	--	ND	24.6	--		25
Benzyl chloride	ND	5.00	--	ND	25.9	--		25
1,3-Dichlorobenzene	ND	5.00	--	ND	30.1	--		25
1,4-Dichlorobenzene	ND	5.00	--	ND	30.1	--		25
1,2-Dichlorobenzene	ND	5.00	--	ND	30.1	--		25
1,2,4-Trichlorobenzene	ND	5.00	--	ND	37.1	--		25
Hexachlorobutadiene	ND	5.00	--	ND	53.3	--		25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-15 D
 Client ID: SS-10
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 09:52
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/27/21 23:05
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	3.33	--	ND	16.5	--		16.67
Chloromethane	ND	3.33	--	ND	6.88	--		16.67
Freon-114	ND	3.33	--	ND	23.3	--		16.67
Vinyl chloride	ND	3.33	--	ND	8.51	--		16.67
1,3-Butadiene	ND	3.33	--	ND	7.37	--		16.67
Bromomethane	ND	3.33	--	ND	12.9	--		16.67
Chloroethane	ND	3.33	--	ND	8.79	--		16.67
Ethanol	245	83.4	--	462	157	--		16.67
Vinyl bromide	ND	3.33	--	ND	14.6	--		16.67
Acetone	27.6	16.7	--	65.6	39.7	--		16.67
Trichlorofluoromethane	ND	3.33	--	ND	18.7	--		16.67
Isopropanol	ND	8.34	--	ND	20.5	--		16.67
1,1-Dichloroethene	ND	3.33	--	ND	13.2	--		16.67
Tertiary butyl Alcohol	ND	8.34	--	ND	25.3	--		16.67
Methylene chloride	ND	8.34	--	ND	29.0	--		16.67
3-Chloropropene	ND	3.33	--	ND	10.4	--		16.67
Carbon disulfide	ND	3.33	--	ND	10.4	--		16.67
Freon-113	ND	3.33	--	ND	25.5	--		16.67
trans-1,2-Dichloroethene	ND	3.33	--	ND	13.2	--		16.67
1,1-Dichloroethane	ND	3.33	--	ND	13.5	--		16.67
Methyl tert butyl ether	ND	3.33	--	ND	12.0	--		16.67
2-Butanone	ND	8.34	--	ND	24.6	--		16.67
cis-1,2-Dichloroethene	ND	3.33	--	ND	13.2	--		16.67



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-15 D

Client ID: SS-10

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 09:52

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	8.34	--	ND	30.1	--		16.67
Chloroform	ND	3.33	--	ND	16.3	--		16.67
Tetrahydrofuran	ND	8.34	--	ND	24.6	--		16.67
1,2-Dichloroethane	ND	3.33	--	ND	13.5	--		16.67
n-Hexane	ND	3.33	--	ND	11.7	--		16.67
1,1,1-Trichloroethane	ND	3.33	--	ND	18.2	--		16.67
Benzene	ND	3.33	--	ND	10.6	--		16.67
Carbon tetrachloride	ND	3.33	--	ND	20.9	--		16.67
Cyclohexane	ND	3.33	--	ND	11.5	--		16.67
1,2-Dichloropropane	ND	3.33	--	ND	15.4	--		16.67
Bromodichloromethane	ND	3.33	--	ND	22.3	--		16.67
1,4-Dioxane	ND	3.33	--	ND	12.0	--		16.67
Trichloroethene	ND	3.33	--	ND	17.9	--		16.67
2,2,4-Trimethylpentane	ND	3.33	--	ND	15.6	--		16.67
Heptane	ND	3.33	--	ND	13.6	--		16.67
cis-1,3-Dichloropropene	ND	3.33	--	ND	15.1	--		16.67
4-Methyl-2-pentanone	ND	8.34	--	ND	34.2	--		16.67
trans-1,3-Dichloropropene	ND	3.33	--	ND	15.1	--		16.67
1,1,2-Trichloroethane	ND	3.33	--	ND	18.2	--		16.67
Toluene	ND	3.33	--	ND	12.5	--		16.67
2-Hexanone	ND	3.33	--	ND	13.6	--		16.67
Dibromochloromethane	ND	3.33	--	ND	28.4	--		16.67
1,2-Dibromoethane	ND	3.33	--	ND	25.6	--		16.67
Tetrachloroethene	940	3.33	--	6370	22.6	--		16.67
Chlorobenzene	ND	3.33	--	ND	15.3	--		16.67
Ethylbenzene	ND	3.33	--	ND	14.5	--		16.67



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-15 D

Date Collected: 05/20/21 09:52

Client ID: SS-10

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	6.67	--	ND	29.0	--		16.67
Bromoform	ND	3.33	--	ND	34.4	--		16.67
Styrene	ND	3.33	--	ND	14.2	--		16.67
1,1,2,2-Tetrachloroethane	ND	3.33	--	ND	22.9	--		16.67
o-Xylene	ND	3.33	--	ND	14.5	--		16.67
4-Ethyltoluene	ND	3.33	--	ND	16.4	--		16.67
1,3,5-Trimethylbenzene	ND	3.33	--	ND	16.4	--		16.67
1,2,4-Trimethylbenzene	ND	3.33	--	ND	16.4	--		16.67
Benzyl chloride	ND	3.33	--	ND	17.2	--		16.67
1,3-Dichlorobenzene	ND	3.33	--	ND	20.0	--		16.67
1,4-Dichlorobenzene	ND	3.33	--	ND	20.0	--		16.67
1,2-Dichlorobenzene	ND	3.33	--	ND	20.0	--		16.67
1,2,4-Trichlorobenzene	ND	3.33	--	ND	24.7	--		16.67
Hexachlorobutadiene	ND	3.33	--	ND	35.5	--		16.67

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-16 D
 Client ID: SS-11
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 10:19
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/27/21 23:41
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.43	--	ND	7.07	--		7.143
Chloromethane	ND	1.43	--	ND	2.95	--		7.143
Freon-114	ND	1.43	--	ND	10.0	--		7.143
Vinyl chloride	ND	1.43	--	ND	3.66	--		7.143
1,3-Butadiene	ND	1.43	--	ND	3.16	--		7.143
Bromomethane	ND	1.43	--	ND	5.55	--		7.143
Chloroethane	ND	1.43	--	ND	3.77	--		7.143
Ethanol	159	35.7	--	300	67.3	--		7.143
Vinyl bromide	ND	1.43	--	ND	6.25	--		7.143
Acetone	18.4	7.14	--	43.7	17.0	--		7.143
Trichlorofluoromethane	ND	1.43	--	ND	8.04	--		7.143
Isopropanol	6.04	3.57	--	14.8	8.78	--		7.143
1,1-Dichloroethene	ND	1.43	--	ND	5.67	--		7.143
Tertiary butyl Alcohol	ND	3.57	--	ND	10.8	--		7.143
Methylene chloride	ND	3.57	--	ND	12.4	--		7.143
3-Chloropropene	ND	1.43	--	ND	4.48	--		7.143
Carbon disulfide	ND	1.43	--	ND	4.45	--		7.143
Freon-113	ND	1.43	--	ND	11.0	--		7.143
trans-1,2-Dichloroethene	ND	1.43	--	ND	5.67	--		7.143
1,1-Dichloroethane	ND	1.43	--	ND	5.79	--		7.143
Methyl tert butyl ether	ND	1.43	--	ND	5.16	--		7.143
2-Butanone	ND	3.57	--	ND	10.5	--		7.143
cis-1,2-Dichloroethene	ND	1.43	--	ND	5.67	--		7.143



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-16 D

Client ID: SS-11

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 10:19

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	3.57	--	ND	12.9	--		7.143
Chloroform	ND	1.43	--	ND	6.98	--		7.143
Tetrahydrofuran	ND	3.57	--	ND	10.5	--		7.143
1,2-Dichloroethane	ND	1.43	--	ND	5.79	--		7.143
n-Hexane	ND	1.43	--	ND	5.04	--		7.143
1,1,1-Trichloroethane	ND	1.43	--	ND	7.80	--		7.143
Benzene	ND	1.43	--	ND	4.57	--		7.143
Carbon tetrachloride	ND	1.43	--	ND	9.00	--		7.143
Cyclohexane	ND	1.43	--	ND	4.92	--		7.143
1,2-Dichloropropane	ND	1.43	--	ND	6.61	--		7.143
Bromodichloromethane	ND	1.43	--	ND	9.58	--		7.143
1,4-Dioxane	ND	1.43	--	ND	5.15	--		7.143
Trichloroethene	ND	1.43	--	ND	7.69	--		7.143
2,2,4-Trimethylpentane	ND	1.43	--	ND	6.68	--		7.143
Heptane	ND	1.43	--	ND	5.86	--		7.143
cis-1,3-Dichloropropene	ND	1.43	--	ND	6.49	--		7.143
4-Methyl-2-pentanone	ND	3.57	--	ND	14.6	--		7.143
trans-1,3-Dichloropropene	ND	1.43	--	ND	6.49	--		7.143
1,1,2-Trichloroethane	ND	1.43	--	ND	7.80	--		7.143
Toluene	ND	1.43	--	ND	5.39	--		7.143
2-Hexanone	ND	1.43	--	ND	5.86	--		7.143
Dibromochloromethane	ND	1.43	--	ND	12.2	--		7.143
1,2-Dibromoethane	ND	1.43	--	ND	11.0	--		7.143
Tetrachloroethene	418	1.43	--	2830	9.70	--		7.143
Chlorobenzene	ND	1.43	--	ND	6.59	--		7.143
Ethylbenzene	ND	1.43	--	ND	6.21	--		7.143



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-16 D

Date Collected: 05/20/21 10:19

Client ID: SS-11

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	2.86	--	ND	12.4	--		7.143
Bromoform	ND	1.43	--	ND	14.8	--		7.143
Styrene	ND	1.43	--	ND	6.09	--		7.143
1,1,2,2-Tetrachloroethane	ND	1.43	--	ND	9.82	--		7.143
o-Xylene	ND	1.43	--	ND	6.21	--		7.143
4-Ethyltoluene	ND	1.43	--	ND	7.03	--		7.143
1,3,5-Trimethylbenzene	ND	1.43	--	ND	7.03	--		7.143
1,2,4-Trimethylbenzene	ND	1.43	--	ND	7.03	--		7.143
Benzyl chloride	ND	1.43	--	ND	7.40	--		7.143
1,3-Dichlorobenzene	ND	1.43	--	ND	8.60	--		7.143
1,4-Dichlorobenzene	ND	1.43	--	ND	8.60	--		7.143
1,2-Dichlorobenzene	ND	1.43	--	ND	8.60	--		7.143
1,2,4-Trichlorobenzene	ND	1.43	--	ND	10.6	--		7.143
Hexachlorobutadiene	ND	1.43	--	ND	15.3	--		7.143

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-17 D
 Client ID: SS-12
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 10:20
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/28/21 00:17
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.714	--	ND	3.53	--		3.571
Chloromethane	ND	0.714	--	ND	1.47	--		3.571
Freon-114	ND	0.714	--	ND	4.99	--		3.571
Vinyl chloride	ND	0.714	--	ND	1.83	--		3.571
1,3-Butadiene	ND	0.714	--	ND	1.58	--		3.571
Bromomethane	ND	0.714	--	ND	2.77	--		3.571
Chloroethane	ND	0.714	--	ND	1.88	--		3.571
Ethanol	194	17.8	--	366	33.5	--		3.571
Vinyl bromide	ND	0.714	--	ND	3.12	--		3.571
Acetone	12.0	3.57	--	28.5	8.48	--		3.571
Trichlorofluoromethane	ND	0.714	--	ND	4.01	--		3.571
Isopropanol	4.84	1.78	--	11.9	4.38	--		3.571
1,1-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571
Tertiary butyl Alcohol	ND	1.78	--	ND	5.40	--		3.571
Methylene chloride	3.95	1.78	--	13.7	6.18	--		3.571
3-Chloropropene	ND	0.714	--	ND	2.23	--		3.571
Carbon disulfide	ND	0.714	--	ND	2.22	--		3.571
Freon-113	ND	0.714	--	ND	5.47	--		3.571
trans-1,2-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571
1,1-Dichloroethane	ND	0.714	--	ND	2.89	--		3.571
Methyl tert butyl ether	ND	0.714	--	ND	2.57	--		3.571
2-Butanone	ND	1.78	--	ND	5.25	--		3.571
cis-1,2-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-17 D

Client ID: SS-12

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 10:20

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.78	--	ND	6.41	--		3.571
Chloroform	ND	0.714	--	ND	3.49	--		3.571
Tetrahydrofuran	ND	1.78	--	ND	5.25	--		3.571
1,2-Dichloroethane	ND	0.714	--	ND	2.89	--		3.571
n-Hexane	ND	0.714	--	ND	2.52	--		3.571
1,1,1-Trichloroethane	ND	0.714	--	ND	3.90	--		3.571
Benzene	ND	0.714	--	ND	2.28	--		3.571
Carbon tetrachloride	ND	0.714	--	ND	4.49	--		3.571
Cyclohexane	ND	0.714	--	ND	2.46	--		3.571
1,2-Dichloropropane	ND	0.714	--	ND	3.30	--		3.571
Bromodichloromethane	ND	0.714	--	ND	4.78	--		3.571
1,4-Dioxane	ND	0.714	--	ND	2.57	--		3.571
Trichloroethene	ND	0.714	--	ND	3.84	--		3.571
2,2,4-Trimethylpentane	ND	0.714	--	ND	3.33	--		3.571
Heptane	ND	0.714	--	ND	2.93	--		3.571
cis-1,3-Dichloropropene	ND	0.714	--	ND	3.24	--		3.571
4-Methyl-2-pentanone	ND	1.78	--	ND	7.29	--		3.571
trans-1,3-Dichloropropene	ND	0.714	--	ND	3.24	--		3.571
1,1,2-Trichloroethane	ND	0.714	--	ND	3.90	--		3.571
Toluene	0.728	0.714	--	2.74	2.69	--		3.571
2-Hexanone	ND	0.714	--	ND	2.93	--		3.571
Dibromochloromethane	ND	0.714	--	ND	6.08	--		3.571
1,2-Dibromoethane	ND	0.714	--	ND	5.49	--		3.571
Tetrachloroethene	223	0.714	--	1510	4.84	--		3.571
Chlorobenzene	ND	0.714	--	ND	3.29	--		3.571
Ethylbenzene	ND	0.714	--	ND	3.10	--		3.571



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-17 D

Date Collected: 05/20/21 10:20

Client ID: SS-12

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	1.43	--	ND	6.21	--		3.571
Bromoform	ND	0.714	--	ND	7.38	--		3.571
Styrene	ND	0.714	--	ND	3.04	--		3.571
1,1,2,2-Tetrachloroethane	ND	0.714	--	ND	4.90	--		3.571
o-Xylene	ND	0.714	--	ND	3.10	--		3.571
4-Ethyltoluene	ND	0.714	--	ND	3.51	--		3.571
1,3,5-Trimethylbenzene	ND	0.714	--	ND	3.51	--		3.571
1,2,4-Trimethylbenzene	1.10	0.714	--	5.41	3.51	--		3.571
Benzyl chloride	ND	0.714	--	ND	3.70	--		3.571
1,3-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,4-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,2-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,2,4-Trichlorobenzene	ND	0.714	--	ND	5.30	--		3.571
Hexachlorobutadiene	ND	0.714	--	ND	7.62	--		3.571

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-18 D
 Client ID: SS-13
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 10:51
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/28/21 00:53
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	ND	0.667	--	ND	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	170	16.7	--	320	31.5	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	10.5	3.33	--	24.9	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	3.54	1.67	--	8.70	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	ND	1.67	--	ND	5.06	--		3.333
Methylene chloride	ND	1.67	--	ND	5.80	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	ND	0.667	--	ND	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	ND	1.67	--	ND	4.93	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-18 D

Client ID: SS-13

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 10:51

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333
Chloroform	ND	0.667	--	ND	3.26	--		3.333
Tetrahydrofuran	ND	1.67	--	ND	4.93	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	ND	0.667	--	ND	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	ND	0.667	--	ND	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	ND	0.667	--	ND	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	ND	0.667	--	ND	3.58	--		3.333
2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--		3.333
Heptane	ND	0.667	--	ND	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	1.67	--	ND	6.84	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	ND	0.667	--	ND	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	188	0.667	--	1270	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	ND	0.667	--	ND	2.90	--		3.333



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-18 D

Date Collected: 05/20/21 10:51

Client ID: SS-13

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	1.33	--	ND	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	ND	0.667	--	ND	2.84	--		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	ND	0.667	--	ND	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-19
 Client ID: SS-14
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 10:52
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/28/21 01:32
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.487	0.200	--	2.41	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	258	5.00	--	486	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	49.4	1.00	--	117	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	7.82	0.500	--	19.2	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.74	0.500	--	5.27	1.52	--		1
Methylene chloride	4.55	0.500	--	15.8	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.18	0.500	--	3.48	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-19

Client ID: SS-14

Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 10:52

Date Received: 05/21/21

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.25	0.200	--	4.41	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.645	0.200	--	2.43	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	51.9	0.200	--	352	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.285	0.200	--	1.24	0.869	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-19

Date Collected: 05/20/21 10:52

Client ID: SS-14

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.04	0.400	--	4.52	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.548	0.200	--	2.38	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.215	0.200	--	1.06	0.983	--		1
1,2,4-Trimethylbenzene	1.01	0.200	--	4.97	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140



Project Name: OSJL- CENTEREACH**Project Number:** 30088967**Lab Number:** L2126932**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-20
 Client ID: SS-15
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 11:25
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/28/21 02:11
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.477	0.200	--	2.36	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	120	5.00	--	226	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.85	1.00	--	18.6	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	3.37	0.500	--	8.28	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.722	0.500	--	2.19	1.52	--		1
Methylene chloride	1.18	0.500	--	4.10	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-20
 Client ID: SS-15
 Sample Location: CENTEREACH, NY

Date Collected: 05/20/21 11:25
 Date Received: 05/21/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.219	0.200	--	0.772	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.540	0.200	--	2.03	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	53.9	0.200	--	366	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.289	0.200	--	1.26	0.869	--		1



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**SAMPLE RESULTS**

Lab ID: L2126932-20

Date Collected: 05/20/21 11:25

Client ID: SS-15

Date Received: 05/21/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.12	0.400	--	4.86	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.566	0.200	--	2.46	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.255	0.200	--	1.25	0.983	--		1
1,2,4-Trimethylbenzene	1.18	0.200	--	5.80	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	97		60-140



Project Name: OSJL- CENTEREACH

Lab Number: L2126932

Project Number: 30088967

Report Date: 05/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/26/21 14:40

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG1504060-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: OSJL- CENTEREACH

Lab Number: L2126932

Project Number: 30088967

Report Date: 05/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/26/21 14:40

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG1504060-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: OSJL- CENTEREACH

Lab Number: L2126932

Project Number: 30088967

Report Date: 05/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/26/21 14:40

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG1504060-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: OSJL- CENTEREACH

Lab Number: L2126932

Project Number: 30088967

Report Date: 05/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 05/26/21 15:19

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-08 Batch: WG1504061-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: OSJL- CENTEREACH

Lab Number: L2126932

Project Number: 30088967

Report Date: 05/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/27/21 14:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 09-20 Batch: WG1504637-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: OSJL- CENTEREACH

Lab Number: L2126932

Project Number: 30088967

Report Date: 05/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/27/21 14:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 09-20 Batch: WG1504637-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: OSJL- CENTEREACH

Lab Number: L2126932

Project Number: 30088967

Report Date: 05/28/21

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/27/21 14:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 09-20 Batch: WG1504637-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG1504060-3								
Dichlorodifluoromethane	78		-		70-130	-		
Chloromethane	89		-		70-130	-		
Freon-114	87		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	95		-		70-130	-		
Chloroethane	97		-		70-130	-		
Ethanol	90		-		40-160	-		
Vinyl bromide	96		-		70-130	-		
Acetone	70		-		40-160	-		
Trichlorofluoromethane	99		-		70-130	-		
Isopropanol	78		-		40-160	-		
1,1-Dichloroethene	99		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	106		-		70-130	-		
Carbon disulfide	96		-		70-130	-		
Freon-113	98		-		70-130	-		
trans-1,2-Dichloroethene	93		-		70-130	-		
1,1-Dichloroethane	97		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG1504060-3								
Ethyl Acetate	98		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	97		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	103		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	106		-		70-130	-		
Cyclohexane	105		-		70-130	-		
1,2-Dichloropropane	99		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	107		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	104		-		70-130	-		
cis-1,3-Dichloropropene	114		-		70-130	-		
4-Methyl-2-pentanone	106		-		70-130	-		
trans-1,3-Dichloropropene	99		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	96		-		70-130	-		
2-Hexanone	99		-		70-130	-		
Dibromochloromethane	105		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG1504060-3								
Tetrachloroethene	94		-		70-130	-		
Chlorobenzene	95		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	107		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	102		-		70-130	-		
o-Xylene	109		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	114		-		70-130	-		
Benzyl chloride	114		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
1,2-Dichlorobenzene	107		-		70-130	-		
1,2,4-Trichlorobenzene	120		-		70-130	-		
Hexachlorobutadiene	118		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-08 Batch: WG1504061-3								
Vinyl chloride	99		-		70-130	-		25
1,1-Dichloroethene	100		-		70-130	-		25
cis-1,2-Dichloroethene	104		-		70-130	-		25
1,1,1-Trichloroethane	101		-		70-130	-		25
Carbon tetrachloride	107		-		70-130	-		25
Trichloroethene	105		-		70-130	-		25
Tetrachloroethene	98		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 09-20 Batch: WG1504637-3								
Dichlorodifluoromethane	80		-		70-130	-		
Chloromethane	90		-		70-130	-		
Freon-114	87		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	102		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	98		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	98		-		70-130	-		
Acetone	70		-		40-160	-		
Trichlorofluoromethane	100		-		70-130	-		
Isopropanol	80		-		40-160	-		
1,1-Dichloroethene	101		-		70-130	-		
Tertiary butyl Alcohol	93		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	108		-		70-130	-		
Carbon disulfide	99		-		70-130	-		
Freon-113	99		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	97		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	99		-		70-130	-		
cis-1,2-Dichloroethene	107		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 09-20 Batch: WG1504637-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	101		-		70-130	-		
1,2-Dichloroethane	103		-		70-130	-		
n-Hexane	106		-		70-130	-		
1,1,1-Trichloroethane	107		-		70-130	-		
Benzene	102		-		70-130	-		
Carbon tetrachloride	111		-		70-130	-		
Cyclohexane	108		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	109		-		70-130	-		
1,4-Dioxane	111		-		70-130	-		
Trichloroethene	106		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	117		-		70-130	-		
4-Methyl-2-pentanone	108		-		70-130	-		
trans-1,3-Dichloropropene	102		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	99		-		70-130	-		
2-Hexanone	103		-		70-130	-		
Dibromochloromethane	110		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 09-20 Batch: WG1504637-3								
Tetrachloroethene	98		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	108		-		70-130	-		
p/m-Xylene	107		-		70-130	-		
Bromoform	112		-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	105		-		70-130	-		
o-Xylene	113		-		70-130	-		
4-Ethyltoluene	108		-		70-130	-		
1,3,5-Trimethylbenzene	108		-		70-130	-		
1,2,4-Trimethylbenzene	118		-		70-130	-		
Benzyl chloride	118		-		70-130	-		
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	110		-		70-130	-		
1,2-Dichlorobenzene	111		-		70-130	-		
1,2,4-Trichlorobenzene	126		-		70-130	-		
Hexachlorobutadiene	125		-		70-130	-		

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2126932
Report Date: 05/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1504060-5 QC Sample: L2126932-03 Client ID: IA-4						
Dichlorodifluoromethane	0.477	0.469	ppbV	2		25
Chloromethane	0.523	0.524	ppbV	0		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	10.7	11.5	ppbV	7		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	0.212	0.211	ppbV	0		25
Isopropanol	2.84	2.75	ppbV	3		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1504060-5 QC Sample: L2126932-03 Client ID: IA-4						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	0.596	0.589	ppbV	1		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.208	0.208	ppbV	0		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Lab Number: L2126932

Report Date: 05/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1504060-5 QC Sample: L2126932-03 Client ID: IA-4						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1504061-5 QC Sample: L2126932-03 Client ID: IA-4						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.067	0.066	ppbV	2		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.194	0.196	ppbV	1		25

Project Name: OSJL- CENTEREACH

Project Number: 30088967

Serial_No:05282116:36
Lab Number: L2126932

Report Date: 05/28/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2126932-01	IA-1	0250	Flow 5	05/17/21	352099		-	-	-	Pass	10.0	10.2	2
L2126932-01	IA-1	3302	6.0L Can	05/17/21	352099	L2122671-09	Pass	-29.4	-6.2	-	-	-	-
L2126932-02	IA-2	01609	Flow 4	05/17/21	352099		-	-	-	Pass	10.0	9.7	3
L2126932-02	IA-2	2366	6.0L Can	05/17/21	352099	L2122671-09	Pass	-29.4	-7.1	-	-	-	-
L2126932-03	IA-4	0841	Flow 5	05/17/21	352099		-	-	-	Pass	10.0	10.2	2
L2126932-03	IA-4	2567	6.0L Can	05/17/21	352099	L2121959-03	Pass	-29.4	-5.5	-	-	-	-
L2126932-04	IA-5	01796	Flow 4	05/17/21	352099		-	-	-	Pass	10.0	10.0	0
L2126932-04	IA-5	3075	6.0L Can	05/17/21	352099	L2122671-09	Pass	-29.4	-6.9	-	-	-	-
L2126932-05	IA-6	01098	Flow 3	05/17/21	352099		-	-	-	Pass	10.0	9.8	2
L2126932-05	IA-6	2907	6.0L Can	05/17/21	352099	L2122671-09	Pass	-29.4	-5.7	-	-	-	-
L2126932-06	IA-7	01651	Flow 4	05/17/21	352099		-	-	-	Pass	10.0	9.9	1
L2126932-06	IA-7	2110	6.0L Can	05/17/21	352099	L2122671-09	Pass	-29.4	-7.0	-	-	-	-
L2126932-07	AA-1	01582	Flow 4	05/17/21	352099		-	-	-	Pass	10.0	10.4	4
L2126932-07	AA-1	2985	6.0L Can	05/17/21	352099	L2121959-03	Pass	-29.4	-9.4	-	-	-	-
L2126932-08	IA-3	01513	Flow 4	05/17/21	352099		-	-	-	Pass	10.0	9.8	2

Project Name: OSJL- CENTEREACH

Serial_No:05282116:36
Lab Number: L2126932

Project Number: 30088967

Report Date: 05/28/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2126932-08	IA-3	3148	6.0L Can	05/17/21	352099	L2122671-09	Pass	-29.4	-6.3	-	-	-	-
L2126932-09	SS-4	0818	Flow 1	05/17/21	352099		-	-	-	Pass	144	147	2
L2126932-09	SS-4	2226	2.7L Can	05/17/21	352099	L2053642-06	Pass	-29.4	-5.7	-	-	-	-
L2126932-10	SS-5	01387	Flow 3	05/17/21	352099		-	-	-	Pass	144	145	1
L2126932-10	SS-5	1737	2.7L Can	05/17/21	352099	L2105307-01	Pass	-29.4	-5.9	-	-	-	-
L2126932-11	SS-6	0792	Flow 3	05/17/21	352099		-	-	-	Pass	144	153	6
L2126932-11	SS-6	501	2.7L Can	05/17/21	352099	L2100004-01	Pass	-29.3	-6.0	-	-	-	-
L2126932-12	SS-7	01800	Flow 2	05/17/21	352099		-	-	-	Pass	144	146	1
L2126932-12	SS-7	1066	2.7L Can	05/17/21	352099	L2114594-06	Pass	-29.4	-5.7	-	-	-	-
L2126932-13	SS-8	0257	Flow 1	05/17/21	352099		-	-	-	Pass	144	140	3
L2126932-13	SS-8	472	2.7L Can	05/17/21	352099	L2043524-02	Pass	-29.4	-5.3	-	-	-	-
L2126932-14	SS-9	0591	Flow 1	05/17/21	352099		-	-	-	Pass	144	145	1
L2126932-14	SS-9	2371	2.7L Can	05/17/21	352099	L2057122-06	Pass	-29.4	-5.8	-	-	-	-
L2126932-15	SS-10	0394	Flow 2	05/17/21	352099		-	-	-	Pass	144	147	2
L2126932-15	SS-10	2429	2.7L Can	05/17/21	352099	L2110320-01	Pass	-29.4	-5.6	-	-	-	-

Project Name: OSJL- CENTEREACH

Serial_No:05282116:36
Lab Number: L2126932

Project Number: 30088967

Report Date: 05/28/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2126932-16	SS-11	01516	Flow 2	05/17/21	352099		-	-	-	Pass	144	141	2
L2126932-16	SS-11	322	2.7L Can	05/17/21	352099	L2043524-01	Pass	-29.4	-5.6	-	-	-	-
L2126932-17	SS-12	0224	Flow 1	05/17/21	352099		-	-	-	Pass	144	143	1
L2126932-17	SS-12	560	2.7L Can	05/17/21	352099	L2115490-01	Pass	-29.4	-5.7	-	-	-	-
L2126932-18	SS-13	01554	Flow 2	05/17/21	352099		-	-	-	Pass	144	145	1
L2126932-18	SS-13	1721	2.7L Can	05/17/21	352099	L2048861-01	Pass	-29.4	-5.5	-	-	-	-
L2126932-19	SS-14	01740	Flow 5	05/17/21	352099		-	-	-	Pass	144	158	9
L2126932-19	SS-14	527	2.7L Can	05/17/21	352099	L2102587-01	Pass	-29.4	-5.7	-	-	-	-
L2126932-20	SS-15	01673	Flow 5	05/17/21	352099		-	-	-	Pass	144	135	6
L2126932-20	SS-15	549	2.7L Can	05/17/21	352099	L2114594-02	Pass	-29.5	-6.2	-	-	-	-
L2126932-21	UNUSED CAN 1768	0968	Flow 2	05/17/21	352099		-	-	-	Pass	144	147	2
L2126932-21	UNUSED CAN 1768	1768	2.7L Can	05/17/21	352099	L2119743-01	Pass	-29.5	0.0	-	-	-	-
L2126932-22	UNUSED CAN 1873	01647	Flow 4	05/17/21	352099		-	-	-	Pass	10.0	8.5	16
L2126932-22	UNUSED CAN 1873	1873	6.0L Can	05/17/21	352099	L2121959-03	Pass	-28.7	0.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-01
Client ID: CAN 322 SHELF 13
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/19/20 17:36
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-01
Client ID: CAN 322 SHELF 13
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-01
Client ID: CAN 322 SHELF 13
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-01
Client ID: CAN 322 SHELF 13
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2043524**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2043524-01

Date Collected: 10/10/20 16:00

Client ID: CAN 322 SHELF 13

Date Received: 10/12/20

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	85		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-01
Client ID: CAN 322 SHELF 13
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/19/20 17:36
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-01
Client ID: CAN 322 SHELF 13
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-01
Client ID: CAN 322 SHELF 13
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	83		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/19/20 18:16
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2043524**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2043524-02

Date Collected: 10/10/20 16:00

Client ID: CAN 472 SHELF 15

Date Received: 10/12/20

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	82		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/19/20 18:16
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2043524
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	79		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	81		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2048861
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2048861-01
Client ID: CAN 1721 SHELF 21
Sample Location:

Date Collected: 11/05/20 16:00
Date Received: 11/06/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/07/20 17:01
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2048861
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2048861-01
Client ID: CAN 1721 SHELF 21
Sample Location:

Date Collected: 11/05/20 16:00
Date Received: 11/06/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2048861
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2048861-01
Client ID: CAN 1721 SHELF 21
Sample Location:

Date Collected: 11/05/20 16:00
Date Received: 11/06/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2048861
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2048861-01
Client ID: CAN 1721 SHELF 21
Sample Location:

Date Collected: 11/05/20 16:00
Date Received: 11/06/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2048861**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2048861-01

Date Collected: 11/05/20 16:00

Client ID: CAN 1721 SHELF 21

Date Received: 11/06/20

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2048861
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2048861-01
Client ID: CAN 1721 SHELF 21
Sample Location:

Date Collected: 11/05/20 16:00
Date Received: 11/06/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/07/20 17:01
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2048861
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2048861-01
Client ID: CAN 1721 SHELF 21
Sample Location:

Date Collected: 11/05/20 16:00
Date Received: 11/06/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2048861**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2048861-01

Date Collected: 11/05/20 16:00

Client ID: CAN 1721 SHELF 21

Date Received: 11/06/20

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: Not Specified

Lab Number: L2053642
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2053642-06
Client ID: CAN 2226 SHELF 6
Sample Location:

Date Collected: 12/03/20 09:00
Date Received: 12/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/04/20 20:58
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Acetaldehyde	ND	2.50	--	ND	4.50	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: Not Specified

Lab Number: L2053642
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2053642-06
Client ID: CAN 2226 SHELF 6
Sample Location:

Date Collected: 12/03/20 09:00
Date Received: 12/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Thiophene	ND	0.200	--	ND	0.688	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: Not Specified

Lab Number: L2053642
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2053642-06
Client ID: CAN 2226 SHELF 6
Sample Location:

Date Collected: 12/03/20 09:00
Date Received: 12/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Methylthiophene	ND	0.200	--	ND	0.803	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
3-Methylthiophene	ND	0.200	--	ND	0.803	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: Not Specified

Lab Number: L2053642
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2053642-06
Client ID: CAN 2226 SHELF 6
Sample Location:

Date Collected: 12/03/20 09:00
Date Received: 12/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
2-Ethylthiophene	ND	0.200	--	ND	0.918	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: Not Specified

Lab Number: L2053642
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2053642-06
Client ID: CAN 2226 SHELF 6
Sample Location:

Date Collected: 12/03/20 09:00
Date Received: 12/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Indane	ND	0.200	--	ND	0.967	--		1
Indene	ND	0.200	--	ND	0.951	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
1,2,4,5-Tetramethylbenzene	ND	0.200	--	ND	1.10	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Benzothiophene	ND	0.500	--	ND	2.74	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1
2-Methylnaphthalene	ND	1.00	--	ND	5.82	--		1
1-Methylnaphthalene	ND	1.00	--	ND	5.82	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	87		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: Not Specified

Lab Number: L2053642
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2053642-06
Client ID: CAN 2226 SHELF 6
Sample Location:

Date Collected: 12/03/20 09:00
Date Received: 12/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/04/20 20:58
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: Not Specified

Lab Number: L2053642
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2053642-06
Client ID: CAN 2226 SHELF 6
Sample Location:

Date Collected: 12/03/20 09:00
Date Received: 12/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: Not Specified

Lab Number: L2053642
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2053642-06
Client ID: CAN 2226 SHELF 6
Sample Location:

Date Collected: 12/03/20 09:00
Date Received: 12/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Xylene (Total)	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.020	--	ND	0.193	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2053642**Project Number:** Not Specified**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2053642-06

Date Collected: 12/03/20 09:00

Client ID: CAN 2226 SHELF 6

Date Received: 12/03/20

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2057122
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2057122-06
Client ID: CAN 2371 SHELF 3
Sample Location:

Date Collected: 12/22/20 09:00
Date Received: 12/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/23/20 20:54
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2057122
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2057122-06
Client ID: CAN 2371 SHELF 3
Sample Location:

Date Collected: 12/22/20 09:00
Date Received: 12/22/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2057122
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2057122-06
Client ID: CAN 2371 SHELF 3
Sample Location:

Date Collected: 12/22/20 09:00
Date Received: 12/22/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2057122
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2057122-06
Client ID: CAN 2371 SHELF 3
Sample Location:

Date Collected: 12/22/20 09:00
Date Received: 12/22/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2057122
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2057122-06
 Client ID: CAN 2371 SHELF 3
 Sample Location:

Date Collected: 12/22/20 09:00
 Date Received: 12/22/20
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	86		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2057122
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2057122-06
Client ID: CAN 2371 SHELF 3
Sample Location:

Date Collected: 12/22/20 09:00
Date Received: 12/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/23/20 20:54
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2057122
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2057122-06
Client ID: CAN 2371 SHELF 3
Sample Location:

Date Collected: 12/22/20 09:00
Date Received: 12/22/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2057122**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2057122-06

Date Collected: 12/22/20 09:00

Client ID: CAN 2371 SHELF 3

Date Received: 12/22/20

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	86		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2100004
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2100004-01
Client ID: CAN 501 SHELF 10
Sample Location:

Date Collected: 01/02/21 16:00
Date Received: 01/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 01/05/21 17:12
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2100004
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2100004-01
Client ID: CAN 501 SHELF 10
Sample Location:

Date Collected: 01/02/21 16:00
Date Received: 01/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2100004
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2100004-01
Client ID: CAN 501 SHELF 10
Sample Location:

Date Collected: 01/02/21 16:00
Date Received: 01/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2100004
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2100004-01
Client ID: CAN 501 SHELF 10
Sample Location:

Date Collected: 01/02/21 16:00
Date Received: 01/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2100004**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2100004-01

Date Collected: 01/02/21 16:00

Client ID: CAN 501 SHELF 10

Date Received: 01/04/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2100004
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2100004-01
Client ID: CAN 501 SHELF 10
Sample Location:

Date Collected: 01/02/21 16:00
Date Received: 01/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/05/21 17:12
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2100004
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2100004-01
Client ID: CAN 501 SHELF 10
Sample Location:

Date Collected: 01/02/21 16:00
Date Received: 01/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2100004
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2100004-01
Client ID: CAN 501 SHELF 10
Sample Location:

Date Collected: 01/02/21 16:00
Date Received: 01/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	96		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2102587
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2102587-01
Client ID: CAN 527 SHELF 3
Sample Location:

Date Collected: 01/15/21 16:00
Date Received: 01/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/20/21 01:25
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2102587
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2102587-01
Client ID: CAN 527 SHELF 3
Sample Location:

Date Collected: 01/15/21 16:00
Date Received: 01/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2102587
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2102587-01
Client ID: CAN 527 SHELF 3
Sample Location:

Date Collected: 01/15/21 16:00
Date Received: 01/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2102587
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2102587-01
Client ID: CAN 527 SHELF 3
Sample Location:

Date Collected: 01/15/21 16:00
Date Received: 01/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2102587**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2102587-01

Date Collected: 01/15/21 16:00

Client ID: CAN 527 SHELF 3

Date Received: 01/16/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2102587
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2102587-01
Client ID: CAN 527 SHELF 3
Sample Location:

Date Collected: 01/15/21 16:00
Date Received: 01/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/20/21 01:25
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2102587
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2102587-01
Client ID: CAN 527 SHELF 3
Sample Location:

Date Collected: 01/15/21 16:00
Date Received: 01/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2102587
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2102587-01
Client ID: CAN 527 SHELF 3
Sample Location:

Date Collected: 01/15/21 16:00
Date Received: 01/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2105307
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2105307-01
Client ID: CAN 1737 SHELF 4
Sample Location:

Date Collected: 02/02/21 16:00
Date Received: 02/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/04/21 17:39
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2105307
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2105307-01
Client ID: CAN 1737 SHELF 4
Sample Location:

Date Collected: 02/02/21 16:00
Date Received: 02/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2105307
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2105307-01
Client ID: CAN 1737 SHELF 4
Sample Location:

Date Collected: 02/02/21 16:00
Date Received: 02/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2105307
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2105307-01
Client ID: CAN 1737 SHELF 4
Sample Location:

Date Collected: 02/02/21 16:00
Date Received: 02/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2105307
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2105307-01
 Client ID: CAN 1737 SHELF 4
 Sample Location:

Date Collected: 02/02/21 16:00
 Date Received: 02/03/21
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2105307
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2105307-01
Client ID: CAN 1737 SHELF 4
Sample Location:

Date Collected: 02/02/21 16:00
Date Received: 02/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 17:39
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2105307
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2105307-01
Client ID: CAN 1737 SHELF 4
Sample Location:

Date Collected: 02/02/21 16:00
Date Received: 02/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2105307**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results****Lab ID:** L2105307-01**Date Collected:** 02/02/21 16:00**Client ID:** CAN 1737 SHELF 4**Date Received:** 02/03/21**Sample Location:****Field Prep:** Not Specified**Sample Depth:**

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2110320
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2110320-01
Client ID: CAN 2429 SHELF 7
Sample Location:

Date Collected: 03/02/21 16:00
Date Received: 03/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/03/21 17:18
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2110320
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2110320-01
Client ID: CAN 2429 SHELF 7
Sample Location:

Date Collected: 03/02/21 16:00
Date Received: 03/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2110320
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2110320-01
Client ID: CAN 2429 SHELF 7
Sample Location:

Date Collected: 03/02/21 16:00
Date Received: 03/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2110320
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2110320-01
Client ID: CAN 2429 SHELF 7
Sample Location:

Date Collected: 03/02/21 16:00
Date Received: 03/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2110320**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2110320-01

Date Collected: 03/02/21 16:00

Client ID: CAN 2429 SHELF 7

Date Received: 03/03/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2110320
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2110320-01
Client ID: CAN 2429 SHELF 7
Sample Location:

Date Collected: 03/02/21 16:00
Date Received: 03/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/03/21 17:18
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2110320
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2110320-01
Client ID: CAN 2429 SHELF 7
Sample Location:

Date Collected: 03/02/21 16:00
Date Received: 03/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2110320
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2110320-01
Client ID: CAN 2429 SHELF 7
Sample Location:

Date Collected: 03/02/21 16:00
Date Received: 03/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	84		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-02
Client ID: CAN 549 SHELF 13
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/24/21 18:24
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-02
Client ID: CAN 549 SHELF 13
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-02
Client ID: CAN 549 SHELF 13
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-02
Client ID: CAN 549 SHELF 13
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2114594**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2114594-02

Date Collected: 03/23/21 16:00

Client ID: CAN 549 SHELF 13

Date Received: 03/24/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-02
Client ID: CAN 549 SHELF 13
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/24/21 18:24
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-02
Client ID: CAN 549 SHELF 13
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-02
Client ID: CAN 549 SHELF 13
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	85		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-06
Client ID: CAN 1066 SHELF 6
Sample Location:

Date Collected: 03/24/21 09:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/24/21 21:07
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-06
Client ID: CAN 1066 SHELF 6
Sample Location:

Date Collected: 03/24/21 09:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-06
Client ID: CAN 1066 SHELF 6
Sample Location:

Date Collected: 03/24/21 09:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-06
Client ID: CAN 1066 SHELF 6
Sample Location:

Date Collected: 03/24/21 09:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2114594**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2114594-06

Date Collected: 03/24/21 09:00

Client ID: CAN 1066 SHELF 6

Date Received: 03/24/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	82		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-06
Client ID: CAN 1066 SHELF 6
Sample Location:

Date Collected: 03/24/21 09:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/24/21 21:07
Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2114594-06
Client ID: CAN 1066 SHELF 6
Sample Location:

Date Collected: 03/24/21 09:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2114594**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2114594-06

Date Collected: 03/24/21 09:00

Client ID: CAN 1066 SHELF 6

Date Received: 03/24/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	77		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	83		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2115490
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2115490-01
Client ID: CAN 560 SHELF 1
Sample Location:

Date Collected: 03/27/21 16:00
Date Received: 03/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/29/21 16:58
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2115490
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2115490-01
Client ID: CAN 560 SHELF 1
Sample Location:

Date Collected: 03/27/21 16:00
Date Received: 03/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2115490
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2115490-01
Client ID: CAN 560 SHELF 1
Sample Location:

Date Collected: 03/27/21 16:00
Date Received: 03/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2115490
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2115490-01
Client ID: CAN 560 SHELF 1
Sample Location:

Date Collected: 03/27/21 16:00
Date Received: 03/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2115490**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2115490-01

Date Collected: 03/27/21 16:00

Client ID: CAN 560 SHELF 1

Date Received: 03/29/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2115490
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2115490-01
Client ID: CAN 560 SHELF 1
Sample Location:

Date Collected: 03/27/21 16:00
Date Received: 03/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/29/21 16:58
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2115490
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2115490-01
Client ID: CAN 560 SHELF 1
Sample Location:

Date Collected: 03/27/21 16:00
Date Received: 03/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2115490
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2115490-01
Client ID: CAN 560 SHELF 1
Sample Location:

Date Collected: 03/27/21 16:00
Date Received: 03/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	88		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2119743
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2119743-01
Client ID: CAN 1768 SHELF 20
Sample Location:

Date Collected: 04/17/21 16:00
Date Received: 04/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 04/19/21 16:55
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2119743
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2119743-01
Client ID: CAN 1768 SHELF 20
Sample Location:

Date Collected: 04/17/21 16:00
Date Received: 04/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2119743
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2119743-01
Client ID: CAN 1768 SHELF 20
Sample Location:

Date Collected: 04/17/21 16:00
Date Received: 04/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2119743
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2119743-01
Client ID: CAN 1768 SHELF 20
Sample Location:

Date Collected: 04/17/21 16:00
Date Received: 04/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2119743**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2119743-01

Date Collected: 04/17/21 16:00

Client ID: CAN 1768 SHELF 20

Date Received: 04/19/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2119743
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2119743-01
Client ID: CAN 1768 SHELF 20
Sample Location:

Date Collected: 04/17/21 16:00
Date Received: 04/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/19/21 16:55
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2119743
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2119743-01
Client ID: CAN 1768 SHELF 20
Sample Location:

Date Collected: 04/17/21 16:00
Date Received: 04/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2119743
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2119743-01
Client ID: CAN 1768 SHELF 20
Sample Location:

Date Collected: 04/17/21 16:00
Date Received: 04/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2121959
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2121959-03
Client ID: CAN 691 SHELF 51
Sample Location:

Date Collected: 04/28/21 16:00
Date Received: 04/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/02/21 22:25
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2121959
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2121959-03
Client ID: CAN 691 SHELF 51
Sample Location:

Date Collected: 04/28/21 16:00
Date Received: 04/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2121959
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2121959-03
Client ID: CAN 691 SHELF 51
Sample Location:

Date Collected: 04/28/21 16:00
Date Received: 04/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2121959
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2121959-03
Client ID: CAN 691 SHELF 51
Sample Location:

Date Collected: 04/28/21 16:00
Date Received: 04/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2121959**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2121959-03

Date Collected: 04/28/21 16:00

Client ID: CAN 691 SHELF 51

Date Received: 04/29/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2121959
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2121959-03
Client ID: CAN 691 SHELF 51
Sample Location:

Date Collected: 04/28/21 16:00
Date Received: 04/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/02/21 22:25
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2121959
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2121959-03
Client ID: CAN 691 SHELF 51
Sample Location:

Date Collected: 04/28/21 16:00
Date Received: 04/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2121959
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2121959-03
Client ID: CAN 691 SHELF 51
Sample Location:

Date Collected: 04/28/21 16:00
Date Received: 04/29/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	85		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2122671
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2122671-09
Client ID: CAN 1902 SHELF 50
Sample Location:

Date Collected: 05/03/21 09:00
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/03/21 22:05
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2122671
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2122671-09
Client ID: CAN 1902 SHELF 50
Sample Location:

Date Collected: 05/03/21 09:00
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2122671
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2122671-09
Client ID: CAN 1902 SHELF 50
Sample Location:

Date Collected: 05/03/21 09:00
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2122671
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2122671-09
Client ID: CAN 1902 SHELF 50
Sample Location:

Date Collected: 05/03/21 09:00
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2122671**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2122671-09

Date Collected: 05/03/21 09:00

Client ID: CAN 1902 SHELF 50

Date Received: 05/03/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	81		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2122671
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2122671-09
Client ID: CAN 1902 SHELF 50
Sample Location:

Date Collected: 05/03/21 09:00
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:

Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/03/21 22:05
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2122671
Report Date: 05/28/21

Air Canister Certification Results

Lab ID: L2122671-09
Client ID: CAN 1902 SHELF 50
Sample Location:

Date Collected: 05/03/21 09:00
Date Received: 05/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2122671**Project Number:** CANISTER QC BAT**Report Date:** 05/28/21**Air Canister Certification Results**

Lab ID: L2122671-09

Date Collected: 05/03/21 09:00

Client ID: CAN 1902 SHELF 50

Date Received: 05/03/21

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	78		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	80		60-140



Project Name: OSJL- CENTEREACH**Lab Number:** L2126932**Project Number:** 30088967**Report Date:** 05/28/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2126932-01A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-SIM(30),TO15-LL(30)
L2126932-02A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-SIM(30),TO15-LL(30)
L2126932-03A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-SIM(30),TO15-LL(30)
L2126932-04A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L2126932-05A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-SIM(30),TO15-LL(30)
L2126932-06A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L2126932-07A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L2126932-08A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L2126932-09A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-10A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-11A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-12A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-13A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-14A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-15A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-16A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-17A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-18A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-19A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-20A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2126932-21A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()
L2126932-22A	Canister - 6 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2126932
Report Date: 05/28/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: OSJL- CENTEREACH
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Lab Number: L2126932
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Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



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Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: OSJL- CENTEREACH
Project Number: 30088967

Lab Number: L2126932
Report Date: 05/28/21

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

AIR ANALYSIS

PAGE 1 OF 2



CHAIN OF CUSTODY

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

Client Information

Client: Acadia
Address: 2240 S County Trail
Suite 5 E Greenwich RI 02884
Phone: 401-285-2235
Fax:
Email: Danica.Pallister@acadia.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: OSJL Conference
Project Location: Greenwich NY
Project #: 30088967
Project Manager: Chris Anderson
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab: 5-22-21

Report Information - Data Deliverables

☐ FAX
☐ ADEX
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

ALPHA Job #: L2126932

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

NY

ANALYSIS

☐ TO-15
☐ TO-15 SIM
☐ APH
☐ Fixed Gases
☐ Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 S	APH	Fixed G	Sulfides &		Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum													
26932-01	IA-1	5/14/21	844	1647	-30	-6	AA	EC	GL	3502	0250	X							
02	IA-2	5/14/21	844	1649	-30	-7	AA	EC	GL	2366	01609	X							
03	IA-4	5/14/21	853	1655	-30	-5	AA	EC	GL	2597	0841	X							
04	IA-5	5/14/21	855	1700	-30	-7	AA	EC	GL	3075	01746	X							
05	IA-6	5/14/21	857	1706	-30	-6	AA	EC	GL	2907	01084	X							
06	IA-7	5/18/21	850	1709	-30	-6	AA	EC	GL	2410	1651	X							
07	AA-1	5/18/21	902	1702	-30	-9	AA	EC	GL	2985	01582	X							
08	IA-3	5/14/21	926	1726	-30	-6	AA	EC	GL	3178	01513	X							
09	SS-4	5/20/21	742	755	-30	-6	SV	EC	2.7	2286	02118	X							
10	SS-5	5/20/21	802	817	-30	-6	SV	EC	2.7	1737	01367	X							

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



AIR ANALYSIS

CHAIN OF CUSTODY

PAGE 2 OF 3

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

Client Information

Client: *Alcatraz*
Address: *2240 S County Trl*
Site 5 E Greenwich RI 02818
Phone: *401-285-2235*
Fax:
Email: *Dennis.Pollack@alcatraz.com*

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: *Site Characterization*
Project Location: *Greenwich NP*
Project #: *30084967*
Project Manager: *Chris Anderson*
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab: *5-22-21*

Report Information - Data Deliverables

☐ FAX
☐ ADEx

Criteria Checker:
(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Job #: *L2126932*

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed *NY* Program Res / Comm

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 Sil	APH	Subs	Fixed Ga	Sulfides & Mercaptans		Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum														
11	SS-6	5/20/21	823	837	-29	-6	SV	TEL	2.7	501	0742	X								
12	SS-7	5/20/21	836	850	-29	-6	SV	TEL	2.7	466	01800	X								
13	SS-8	5/20/21	859	915	-30	-6	SV	TEL	2.7	472	0257	X								
14	SS-9	5/20/21	906	917	-25	-6	SV	TEL	2.7	2371	0541	X								
15	SS-10	5/20/21	937	952	-30	-6	SV	TEL	2.7	2424	0844	X								
16	SS-11	5/20/21	1003	1014	-30	-6	SV	TEL	2.7	322	01576	X								
17	SS-12	5/20/21	1065	1020	-30	-6	SV	TEL	2.7	500	0229	X								
18	SS-13	5/20/21	1036	1051	-24	-6	SV	TEL	2.7	1721	01559	X								
19	SS-14	5/20/21	1038	1052	-24	-6	SV	TEL	2.7	527	01740	X								
20	SS-15	5/20/21	1112	1125	-24	-6	SV	TEL	2.7	544	01673	X								

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



AIR ANALYSIS

PAGE 3 OF 3

CHAIN OF CUSTODY

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

Project Information

Project Name: OSTL Course

Project Location: Commercial NT

Project #: 3088967

Project Manager: Chris Anderson

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab: 8-22-21

Report Information - Data Deliverables

☐ FAX☐ ADE_x

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Job #: L2126932

Billing Information

☐ Same as Client info PO #:

PO #:

Regulatory Requirements/Report Limits

State/Fed

Program

Res / Comm

ANALYSIS

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

[illegible]

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L2131438
Client:	Arcadis of New York, Inc. Two Huntington Quadrangle Suite 1S10 Melville, NY 11747
ATTN:	Chris Keen
Phone:	(631) 391-5277
Project Name:	OSJ SITE INVESTIGATION
Project Number:	30088967
Report Date:	06/16/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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



Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2131438-01	MW-2	WATER	CENTEREACH, NY	06/10/21 09:35	06/10/21
L2131438-02	MW-3	WATER	CENTEREACH, NY	06/10/21 13:35	06/10/21
L2131438-03	MW-4	WATER	CENTEREACH, NY	06/10/21 14:50	06/10/21
L2131438-04	TB061021	WATER	CENTEREACH, NY	06/10/21 00:00	06/10/21
L2131438-05	EB061021	WATER	CENTEREACH, NY	06/10/21 15:15	06/10/21
L2131438-06	MW-1	WATER	CENTEREACH, NY	06/10/21 16:05	06/10/21

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

Case Narrative

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

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

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

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

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

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

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: *Tiffani Morrissey* - Tiffani Morrissey

Title: Technical Director/Representative

Date: 06/16/21

ORGANICS

VOLATILES

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-01
Client ID: MW-2
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 09:35
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/16/21 02:35
Analyst: JC

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

Project Name: OSJ SITE INVESTIGATION**Lab Number:** L2131438**Project Number:** 30088967**Report Date:** 06/16/21**SAMPLE RESULTS****Lab ID:** L2131438-01**Date Collected:** 06/10/21 09:35**Client ID:** MW-2**Date Received:** 06/10/21**Sample Location:** CENTEREACH, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-01
Client ID: MW-2
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 09:35
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	113		70-130

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-02
Client ID: MW-3
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 13:35
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/16/21 03:02
Analyst: JC

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

Project Name: OSJ SITE INVESTIGATION**Lab Number:** L2131438**Project Number:** 30088967**Report Date:** 06/16/21**SAMPLE RESULTS****Lab ID:** L2131438-02**Date Collected:** 06/10/21 13:35**Client ID:** MW-3**Date Received:** 06/10/21**Sample Location:** CENTEREACH, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-02
Client ID: MW-3
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 13:35
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	114		70-130

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-03
Client ID: MW-4
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 14:50
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/16/21 03:29
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	4.6		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: OSJ SITE INVESTIGATION**Lab Number:** L2131438**Project Number:** 30088967**Report Date:** 06/16/21**SAMPLE RESULTS**

Lab ID: L2131438-03

Date Collected: 06/10/21 14:50

Client ID: MW-4

Date Received: 06/10/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-03
Client ID: MW-4
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 14:50
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-04
Client ID: TB061021
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 00:00
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/16/21 01:13
Analyst: JC

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

Project Name: OSJ SITE INVESTIGATION**Lab Number:** L2131438**Project Number:** 30088967**Report Date:** 06/16/21**SAMPLE RESULTS**

Lab ID: L2131438-04
 Client ID: TB061021
 Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 00:00
 Date Received: 06/10/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-04
Client ID: TB061021
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 00:00
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	113		70-130

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-05
Client ID: EB061021
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 15:15
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/16/21 03:56
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.79	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: OSJ SITE INVESTIGATION**Lab Number:** L2131438**Project Number:** 30088967**Report Date:** 06/16/21**SAMPLE RESULTS****Lab ID:** L2131438-05**Date Collected:** 06/10/21 15:15**Client ID:** EB061021**Date Received:** 06/10/21**Sample Location:** CENTEREACH, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-05
Client ID: EB061021
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 15:15
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	115		70-130

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-06
Client ID: MW-1
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 16:05
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/16/21 04:23
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.25	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: OSJ SITE INVESTIGATION**Lab Number:** L2131438**Project Number:** 30088967**Report Date:** 06/16/21**SAMPLE RESULTS**

Lab ID: L2131438-06

Date Collected: 06/10/21 16:05

Client ID: MW-1

Date Received: 06/10/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

SAMPLE RESULTS

Lab ID: L2131438-06
Client ID: MW-1
Sample Location: CENTEREACH, NY

Date Collected: 06/10/21 16:05
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	113		70-130

Project Name: OSJ SITE INVESTIGATION

Lab Number: L2131438

Project Number: 30088967

Report Date: 06/16/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/15/21 23:22
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1512910-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: OSJ SITE INVESTIGATION

Lab Number: L2131438

Project Number: 30088967

Report Date: 06/16/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/15/21 23:22

Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1512910-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/15/21 23:22
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1512910-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	115		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OSJ SITE INVESTIGATION

Project Number: 30088967

Lab Number: L2131438

Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1512910-3 WG1512910-4								
Methylene chloride	91		98		70-130	7		20
1,1-Dichloroethane	96		110		70-130	14		20
Chloroform	95		110		70-130	15		20
Carbon tetrachloride	82		92		63-132	11		20
1,2-Dichloropropane	97		100		70-130	3		20
Dibromochloromethane	90		92		63-130	2		20
1,1,2-Trichloroethane	94		98		70-130	4		20
Tetrachloroethene	82		90		70-130	9		20
Chlorobenzene	87		93		75-130	7		20
Trichlorofluoromethane	96		110		62-150	14		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	93		99		67-130	6		20
Bromodichloromethane	91		98		67-130	7		20
trans-1,3-Dichloropropene	77		78		70-130	1		20
cis-1,3-Dichloropropene	84		88		70-130	5		20
1,1-Dichloropropene	90		98		70-130	9		20
Bromoform	80		86		54-136	7		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		20
Benzene	89		95		70-130	7		20
Toluene	81		90		70-130	11		20
Ethylbenzene	82		89		70-130	8		20
Chloromethane	87		99		64-130	13		20
Bromomethane	59		63		39-139	7		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OSJ SITE INVESTIGATION

Project Number: 30088967

Lab Number: L2131438

Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1512910-3 WG1512910-4								
Vinyl chloride	85		94		55-140	10		20
Chloroethane	75		86		55-138	14		20
1,1-Dichloroethene	90		98		61-145	9		20
trans-1,2-Dichloroethene	84		97		70-130	14		20
Trichloroethene	83		93		70-130	11		20
1,2-Dichlorobenzene	84		90		70-130	7		20
1,3-Dichlorobenzene	81		87		70-130	7		20
1,4-Dichlorobenzene	83		89		70-130	7		20
Methyl tert butyl ether	80		78		63-130	3		20
p/m-Xylene	85		90		70-130	6		20
o-Xylene	85		90		70-130	6		20
cis-1,2-Dichloroethene	89		93		70-130	4		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	120		120		70-130	0		20
Styrene	85		90		70-130	6		20
Dichlorodifluoromethane	65		72		36-147	10		20
Acetone	160	Q	160	Q	58-148	0		20
Carbon disulfide	86		97		51-130	12		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	100		110		57-130	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OSJ SITE INVESTIGATION

Project Number: 30088967

Lab Number: L2131438

Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1512910-3 WG1512910-4								
Bromochloromethane	99		110		70-130	11		20
2,2-Dichloropropane	68		66		63-133	3		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	91		94		70-130	3		20
1,1,1,2-Tetrachloroethane	86		91		64-130	6		20
Bromobenzene	82		91		70-130	10		20
n-Butylbenzene	84		93		53-136	10		20
sec-Butylbenzene	80		90		70-130	12		20
tert-Butylbenzene	77		87		70-130	12		20
o-Chlorotoluene	86		90		70-130	5		20
p-Chlorotoluene	82		90		70-130	9		20
1,2-Dibromo-3-chloropropane	85		96		41-144	12		20
Hexachlorobutadiene	88		100		63-130	13		20
Isopropylbenzene	75		84		70-130	11		20
p-Isopropyltoluene	80		88		70-130	10		20
Naphthalene	86		89		70-130	3		20
n-Propylbenzene	80		88		69-130	10		20
1,2,3-Trichlorobenzene	89		93		70-130	4		20
1,2,4-Trichlorobenzene	120		110		70-130	9		20
1,3,5-Trimethylbenzene	81		89		64-130	9		20
1,2,4-Trimethylbenzene	81		90		70-130	11		20
1,4-Dioxane	122		124		56-162	2		20
p-Diethylbenzene	79		88		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: OSJ SITE INVESTIGATION

Lab Number: L2131438

Project Number: 30088967

Report Date: 06/16/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1512910-3 WG1512910-4								
p-Ethyltoluene	79		88		70-130	11		20
1,2,4,5-Tetramethylbenzene	79		89		70-130	12		20
Ethyl ether	93		88		59-134	6		20
trans-1,4-Dichloro-2-butene	61	Q	65	Q	70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		124		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	112		107		70-130

Project Name: OSJ SITE INVESTIGATION**Lab Number:** L2131438**Project Number:** 30088967**Report Date:** 06/16/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2131438-01A	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-01B	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-01C	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-02A	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-02B	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-02C	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-03A	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-03B	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-03C	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-04A	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-04B	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-05A	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-05B	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-05C	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-06A	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-06B	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)
L2131438-06C	Vial HCl preserved	A	NA		4.9	Y	Present/Intact		NYTCL-8260(14)

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: OSJ SITE INVESTIGATION
Project Number: 30088967

Lab Number: L2131438
Report Date: 06/16/21

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW YORK CHAIN OF CUSTODY		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		Date Rec'd in Lab 6/11/21		ALPHA Job # L2131438					
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: <u>053 Site Investigation</u> Project Location: <u>Centereach, New York</u> Project # <u>30088967</u>				Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #			
Client Information Client: <u>Arcadis, Inc.</u> Address: <u>2 Huntington Quadrangle, Suite 1510, Melville, NY 11747</u> Phone: <u>631-391-5277</u> Fax: _____ Email: <u>christopher.keene@arcadis.com</u>				(Use Project name as Project #) ☐ Project Manager: <u>Nadine Yakes</u> ALPHAQuote #: <u>15205</u> Turn-Around Time Standard ☐ Due Date: _____ Rush (only if pre approved) ☒ # of Days: <u>4 day TAT</u>				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:			
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: _____ _____ Please specify Metals or TAL.				ANALYSIS				Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Booth Time			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		TOL Violations - EPA 8260C		Sample Specific Comments	
3143410		MW-2		6/10/2021 09:35		water		ALH		✓			
02		MW-3		6/10/2021 13:35		water		ALH		✓			
03		MW-4		6/10/2021 14:50		water		ALH		✓			
04		TB061021		6/10/2021 —		water		ALH		✓			
05		EB061021		6/10/2021 15:15		water		ALH		✓			
06		MW-1		6/10/2021 16:05		water		ALH		✓			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 N		Preservative B		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.)			
Relinquished By: <u>[Signature]</u>		Date/Time: <u>6/10/21 17:45</u>		Received By: <u>[Signature]</u>		Date/Time: <u>6/10/21 17:25</u>							
<u>[Signature]</u>		<u>6/10/21 20:30</u>		<u>[Signature]</u>		<u>6/10/21 20:30</u>							
<u>[Signature]</u>		<u>6/11/21 00:45</u>		<u>[Signature]</u>		<u>6/11/21 00:45</u>							





ANALYTICAL REPORT

Lab Number:	L2130159
Client:	Arcadis of New York, Inc. Two Huntington Quadrangle Suite 1S10 Melville, NY 11747
ATTN:	Chris Keen
Phone:	(631) 391-5277
Project Name:	OCEAN STATE JOB LOT
Project Number:	30088967.01
Report Date:	06/11/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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



Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2130159-01	EB060421	WATER	CENTEREACH, NY	06/04/21 14:00	06/04/21
L2130159-02	SP-1	SOIL	CENTEREACH, NY	06/04/21 10:30	06/04/21
L2130159-03	SP-2	SOIL	CENTEREACH, NY	06/04/21 12:25	06/04/21
L2130159-04	SP-3	SOIL	CENTEREACH, NY	06/04/21 11:58	06/04/21
L2130159-05	SP-4	SOIL	CENTEREACH, NY	06/04/21 11:35	06/04/21
L2130159-06	#14	SOIL	CENTEREACH, NY	06/04/21 13:35	06/04/21
L2130159-07	TB060421	TRIP BLANK (AQUEOUS)	CENTEREACH, NY	06/04/21 00:00	06/04/21

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Case Narrative

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

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

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

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

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

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

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Case Narrative (continued)

Report Submission

June 11, 2021: This final report includes the results of all requested analyses.

June 10, 2021: This is a preliminary report.

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

Volatile Organics

L2130159-02 The water-preserved VOA vials for Volatile Organics Low-Level analysis were frozen beyond the required 48 hour holding time. The client was notified and the results of the analysis are reported.

L2130159-02: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

L2130159-02: The internal standard (IS) responses for fluorobenzene (49%), chlorobenzene-d5 (29%), and 1,4-dichlorobenzene-d4 (13%) and the surrogate recoveries for 1,2-dichloroethane-d4 (131%) and 4-bromofluorobenzene (158%) were outside the acceptance criteria; however, re-analysis achieved similar results: fluorobenzene (49%), chlorobenzene-d5 (28%), 1,4-dichlorobenzene-d4 (13%), and 4-bromofluorobenzene (152%). The results of both analyses are reported.

L2130159-03: The internal standard (IS) responses for chlorobenzene-d5 (31%) and 1,4-dichlorobenzene-d4 (13%) and the surrogate recovery for 4-bromofluorobenzene (146%) were outside the acceptance criteria; however, re-analysis achieved similar results: fluorobenzene (6%), chlorobenzene-d5 (5%), 1,4-dichlorobenzene-d4 (3%) and 1,2-dichloroethane-d4 (131%). The results of both analyses are reported.

L2130159-05: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (33%) and the surrogate recovery for 4-bromofluorobenzene (137%) were outside the acceptance criteria. A second low-level vial was analyzed, but yielded no internal standard recoveries. A high-level analysis was performed, and those results are also reported.

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Case Narrative (continued)

Semivolatile Organics

L2130159-06D: The sample has elevated detection limits due to the dilution required by the sample matrix. The WG1509869-1 Method Blank, associated with L2130159-01, has a concentration above the reporting limit for Bis(2-ethylhexyl)phthalate. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Pesticides

L2130159-02D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2130159-02 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 06/11/21

ORGANICS

VOLATILES

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01
Client ID: EB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 14:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/10/21 09:20
Analyst: PD

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

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01

Date Collected: 06/04/21 14:00

Client ID: EB060421

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01
Client ID: EB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 14:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	91		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 10:23
Analyst: KJD
Percent Solids: 28%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	25	12.	1
1,1-Dichloroethane	ND		ug/kg	5.0	0.73	1
Chloroform	ND		ug/kg	7.6	0.70	1
Carbon tetrachloride	ND		ug/kg	5.0	1.2	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.63	1
Dibromochloromethane	ND		ug/kg	5.0	0.70	1
2-Chloroethylvinyl ether	ND		ug/kg	100	8.2	1
1,1,2-Trichloroethane	ND		ug/kg	5.0	1.3	1
Tetrachloroethene	270		ug/kg	2.5	0.99	1
Chlorobenzene	ND		ug/kg	2.5	0.64	1
Trichlorofluoromethane	ND		ug/kg	20	3.5	1
1,2-Dichloroethane	ND		ug/kg	5.0	1.3	1
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.84	1
Bromodichloromethane	ND		ug/kg	2.5	0.55	1
trans-1,3-Dichloropropene	ND		ug/kg	5.0	1.4	1
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.80	1
1,1-Dichloropropene	ND		ug/kg	2.5	0.80	1
Bromoform	ND		ug/kg	20	1.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.84	1
Benzene	1.4	J	ug/kg	2.5	0.84	1
Toluene	68		ug/kg	5.0	2.7	1
Ethylbenzene	24		ug/kg	5.0	0.71	1
Chloromethane	ND		ug/kg	20	4.7	1
Vinyl chloride	ND		ug/kg	5.0	1.7	1
Chloroethane	ND		ug/kg	10	2.3	1
1,1-Dichloroethene	ND		ug/kg	5.0	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	7.6	0.69	1
Trichloroethene	12		ug/kg	2.5	0.69	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	10	0.72	1
1,3-Dichlorobenzene	ND		ug/kg	10	0.74	1
1,4-Dichlorobenzene	23		ug/kg	10	0.86	1
Methyl tert butyl ether	ND		ug/kg	10	1.0	1
p/m-Xylene	46		ug/kg	10	2.8	1
o-Xylene	16		ug/kg	5.0	1.5	1
Xylenes, Total	62		ug/kg	5.0	1.5	1
cis-1,2-Dichloroethene	ND		ug/kg	5.0	0.88	1
Dibromomethane	ND		ug/kg	10	1.2	1
Styrene	ND		ug/kg	5.0	0.99	1
Dichlorodifluoromethane	ND		ug/kg	50	4.6	1
Acetone	2400	E	ug/kg	50	24.	1
Carbon disulfide	42	J	ug/kg	50	23.	1
2-Butanone	510		ug/kg	50	11.	1
Vinyl acetate	ND		ug/kg	50	11.	1
4-Methyl-2-pentanone	ND		ug/kg	50	6.4	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.64	1
2-Hexanone	ND		ug/kg	50	5.9	1
Bromochloromethane	ND		ug/kg	10	1.0	1
2,2-Dichloropropane	ND		ug/kg	10	1.0	1
1,2-Dibromoethane	ND		ug/kg	5.0	1.4	1
1,3-Dichloropropane	ND		ug/kg	10	0.84	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.66	1
Bromobenzene	ND		ug/kg	10	0.73	1
n-Butylbenzene	100		ug/kg	5.0	0.84	1
sec-Butylbenzene	66		ug/kg	5.0	0.73	1
tert-Butylbenzene	8.0	J	ug/kg	10	0.59	1
o-Chlorotoluene	ND		ug/kg	10	0.96	1
p-Chlorotoluene	ND		ug/kg	10	0.54	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	5.0	1
Hexachlorobutadiene	ND		ug/kg	20	0.85	1
Isopropylbenzene	42		ug/kg	5.0	0.55	1
p-Isopropyltoluene	480		ug/kg	5.0	0.55	1
Naphthalene	16	J	ug/kg	20	3.3	1
Acrylonitrile	ND		ug/kg	20	5.8	1
n-Propylbenzene	60		ug/kg	5.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	10	1.6	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	10	1.4	1
1,3,5-Trimethylbenzene	130		ug/kg	10	0.97	1
1,2,4-Trimethylbenzene	350		ug/kg	10	1.7	1
Acrolein	ND		ug/kg	120	28.	1
Freon-113	ND		ug/kg	20	3.5	1
p-Diethylbenzene	260		ug/kg	10	0.89	1
p-Ethyltoluene	170		ug/kg	10	1.9	1
1,2,4,5-Tetramethylbenzene	50		ug/kg	10	0.96	1
Tetrahydrofuran	ND		ug/kg	20	8.0	1
Ethyl ether	ND		ug/kg	10	1.7	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	0.64	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	0.88	1
2-Nitropropane	ND		ug/kg	25	0.98	1
Allyl chloride	ND		ug/kg	25	0.48	1
Chlorodifluoromethane	ND		ug/kg	25	2.5	1
cis-Decahydronaphthalene	ND		ug/kg	25	0.49	1
Decane	420		ug/kg	25	2.1	1
Hexachloroethane	ND		ug/kg	25	0.26	1
n-Hexane	6.6	J	ug/kg	25	0.88	1
R-Limonene	570		ug/kg	25	0.28	1
Methyl Isothiocyanate	ND		ug/kg	25	0.23	1
Methyl methacrylate	ND		ug/kg	25	0.26	1
Butyl acetate	ND		ug/kg	25	0.36	1
Nitrobenzene	ND		ug/kg	25	2.2	1
Nonane	73		ug/kg	25	0.40	1
n-Octane	160		ug/kg	25	0.72	1
trans-Decahydronaphthalene	54		ug/kg	25	0.29	1
n-Undecane	190		ug/kg	25	1.2	1
Iodomethane	ND		ug/kg	50	17.	1
Ethyl methacrylate	ND		ug/kg	50	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	131	Q	70-130
Toluene-d8	124		70-130
4-Bromofluorobenzene	158	Q	70-130
Dibromofluoromethane	127		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 15:39
Analyst: KJD
Percent Solids: 28%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	2400	1100	1
1,1-Dichloroethane	ND		ug/kg	480	69.	1
Chloroform	ND		ug/kg	720	67.	1
Carbon tetrachloride	ND		ug/kg	480	110	1
1,2-Dichloropropane	ND		ug/kg	480	60.	1
Dibromochloromethane	ND		ug/kg	480	67.	1
2-Chloroethylvinyl ether	ND		ug/kg	9600	780	1
1,1,2-Trichloroethane	ND		ug/kg	480	130	1
Tetrachloroethene	ND		ug/kg	240	94.	1
Chlorobenzene	ND		ug/kg	240	61.	1
Trichlorofluoromethane	ND		ug/kg	1900	330	1
1,2-Dichloroethane	ND		ug/kg	480	120	1
1,1,1-Trichloroethane	ND		ug/kg	240	80.	1
Bromodichloromethane	ND		ug/kg	240	52.	1
trans-1,3-Dichloropropene	ND		ug/kg	480	130	1
cis-1,3-Dichloropropene	ND		ug/kg	240	76.	1
1,1-Dichloropropene	ND		ug/kg	240	76.	1
Bromoform	ND		ug/kg	1900	120	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	240	80.	1
Benzene	ND		ug/kg	240	80.	1
Toluene	ND		ug/kg	480	260	1
Ethylbenzene	ND		ug/kg	480	68.	1
Chloromethane	ND		ug/kg	1900	450	1
Vinyl chloride	ND		ug/kg	480	160	1
Chloroethane	ND		ug/kg	960	220	1
1,1-Dichloroethene	ND		ug/kg	480	110	1
trans-1,2-Dichloroethene	ND		ug/kg	720	66.	1
Trichloroethene	ND		ug/kg	240	66.	1

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02

Date Collected: 06/04/21 10:30

Client ID: SP-1

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	960	69.	1
1,3-Dichlorobenzene	ND		ug/kg	960	71.	1
1,4-Dichlorobenzene	ND		ug/kg	960	82.	1
Methyl tert butyl ether	ND		ug/kg	960	96.	1
p/m-Xylene	ND		ug/kg	960	270	1
o-Xylene	ND		ug/kg	480	140	1
Xylenes, Total	ND		ug/kg	480	140	1
cis-1,2-Dichloroethene	ND		ug/kg	480	84.	1
Dibromomethane	ND		ug/kg	960	110	1
Styrene	ND		ug/kg	480	94.	1
Dichlorodifluoromethane	ND		ug/kg	4800	440	1
Acetone	4200	J	ug/kg	4800	2300	1
Carbon disulfide	ND		ug/kg	4800	2200	1
2-Butanone	1400	J	ug/kg	4800	1100	1
Vinyl acetate	ND		ug/kg	4800	1000	1
4-Methyl-2-pentanone	ND		ug/kg	4800	610	1
1,2,3-Trichloropropane	ND		ug/kg	960	61.	1
2-Hexanone	ND		ug/kg	4800	560	1
Bromochloromethane	ND		ug/kg	960	98.	1
2,2-Dichloropropane	ND		ug/kg	960	97.	1
1,2-Dibromoethane	ND		ug/kg	480	130	1
1,3-Dichloropropane	ND		ug/kg	960	80.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	240	63.	1
Bromobenzene	ND		ug/kg	960	69.	1
n-Butylbenzene	220	J	ug/kg	480	80.	1
sec-Butylbenzene	110	J	ug/kg	480	70.	1
tert-Butylbenzene	ND		ug/kg	960	56.	1
o-Chlorotoluene	ND		ug/kg	960	92.	1
p-Chlorotoluene	ND		ug/kg	960	52.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1400	480	1
Hexachlorobutadiene	ND		ug/kg	1900	81.	1
Isopropylbenzene	83	J	ug/kg	480	52.	1
p-Isopropyltoluene	730		ug/kg	480	52.	1
Naphthalene	ND		ug/kg	1900	310	1
Acrylonitrile	ND		ug/kg	1900	550	1
n-Propylbenzene	99	J	ug/kg	480	82.	1
1,2,3-Trichlorobenzene	ND		ug/kg	960	150	1

Project Name: OCEAN STATE JOB LOT**Lab Number:** L2130159**Project Number:** 30088967.01**Report Date:** 06/11/21**SAMPLE RESULTS****Lab ID:** L2130159-02**Date Collected:** 06/04/21 10:30**Client ID:** SP-1**Date Received:** 06/04/21**Sample Location:** CENTEREACH, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	960	130	1
1,3,5-Trimethylbenzene	200	J	ug/kg	960	92.	1
1,2,4-Trimethylbenzene	540	J	ug/kg	960	160	1
Acrolein	ND		ug/kg	12000	2700	1
Freon-113	ND		ug/kg	1900	330	1
p-Diethylbenzene	480	J	ug/kg	960	85.	1
p-Ethyltoluene	270	J	ug/kg	960	180	1
1,2,4,5-Tetramethylbenzene	98	J	ug/kg	960	92.	1
Tetrahydrofuran	ND		ug/kg	1900	760	1
Ethyl ether	ND		ug/kg	960	160	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	960	61.	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	960	84.	1
2-Nitropropane	ND		ug/kg	2400	93.	1
Allyl chloride	ND		ug/kg	2400	45.	1
Chlorodifluoromethane	ND		ug/kg	2400	240	1
cis-Decahydronaphthalene	ND		ug/kg	2400	46.	1
Decane	1700	J	ug/kg	2400	200	1
Hexachloroethane	ND		ug/kg	2400	25.	1
n-Hexane	ND		ug/kg	2400	83.	1
R-Limonene	490	J	ug/kg	2400	27.	1
Methyl Isothiocyanate	ND		ug/kg	2400	22.	1
Methyl methacrylate	ND		ug/kg	2400	25.	1
Butyl acetate	ND		ug/kg	2400	34.	1
Nitrobenzene	ND		ug/kg	2400	210	1
Nonane	260	J	ug/kg	2400	38.	1
n-Octane	340	J	ug/kg	2400	68.	1
trans-Decahydronaphthalene	290	J	ug/kg	2400	27.	1
n-Undecane	720	J	ug/kg	2400	110	1
Iodomethane	ND		ug/kg	4800	1600	1
Ethyl methacrylate	ND		ug/kg	4800	760	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	82		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	101		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02 R
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 13:02
Analyst: KJD
Percent Solids: 28%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	27	12.	1
1,1-Dichloroethane	ND		ug/kg	5.5	0.79	1
Chloroform	ND		ug/kg	8.2	0.77	1
Carbon tetrachloride	ND		ug/kg	5.5	1.3	1
1,2-Dichloropropane	ND		ug/kg	5.5	0.68	1
Dibromochloromethane	ND		ug/kg	5.5	0.77	1
2-Chloroethylvinyl ether	ND		ug/kg	110	9.0	1
1,1,2-Trichloroethane	ND		ug/kg	5.5	1.5	1
Tetrachloroethene	190		ug/kg	2.7	1.1	1
Chlorobenzene	ND		ug/kg	2.7	0.70	1
Trichlorofluoromethane	ND		ug/kg	22	3.8	1
1,2-Dichloroethane	ND		ug/kg	5.5	1.4	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	0.92	1
Bromodichloromethane	ND		ug/kg	2.7	0.60	1
trans-1,3-Dichloropropene	ND		ug/kg	5.5	1.5	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	0.86	1
1,1-Dichloropropene	ND		ug/kg	2.7	0.87	1
Bromoform	ND		ug/kg	22	1.3	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	0.91	1
Benzene	1.6	J	ug/kg	2.7	0.91	1
Toluene	72		ug/kg	5.5	3.0	1
Ethylbenzene	31		ug/kg	5.5	0.77	1
Chloromethane	ND		ug/kg	22	5.1	1
Vinyl chloride	ND		ug/kg	5.5	1.8	1
Chloroethane	ND		ug/kg	11	2.5	1
1,1-Dichloroethene	ND		ug/kg	5.5	1.3	1
trans-1,2-Dichloroethene	ND		ug/kg	8.2	0.75	1
Trichloroethene	13		ug/kg	2.7	0.75	1

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02 R

Date Collected: 06/04/21 10:30

Client ID: SP-1

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	11	0.79	1
1,3-Dichlorobenzene	ND		ug/kg	11	0.81	1
1,4-Dichlorobenzene	19		ug/kg	11	0.94	1
Methyl tert butyl ether	ND		ug/kg	11	1.1	1
p/m-Xylene	58		ug/kg	11	3.1	1
o-Xylene	21		ug/kg	5.5	1.6	1
Xylenes, Total	79		ug/kg	5.5	1.6	1
cis-1,2-Dichloroethene	2.4	J	ug/kg	5.5	0.96	1
Dibromomethane	ND		ug/kg	11	1.3	1
Styrene	ND		ug/kg	5.5	1.1	1
Dichlorodifluoromethane	ND		ug/kg	55	5.0	1
Acetone	2000	E	ug/kg	55	26.	1
Carbon disulfide	32	J	ug/kg	55	25.	1
2-Butanone	490		ug/kg	55	12.	1
Vinyl acetate	ND		ug/kg	55	12.	1
4-Methyl-2-pentanone	ND		ug/kg	55	7.0	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.70	1
2-Hexanone	ND		ug/kg	55	6.5	1
Bromochloromethane	ND		ug/kg	11	1.1	1
2,2-Dichloropropane	ND		ug/kg	11	1.1	1
1,2-Dibromoethane	ND		ug/kg	5.5	1.5	1
1,3-Dichloropropane	ND		ug/kg	11	0.92	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	0.72	1
Bromobenzene	ND		ug/kg	11	0.79	1
n-Butylbenzene	110		ug/kg	5.5	0.92	1
sec-Butylbenzene	73		ug/kg	5.5	0.80	1
tert-Butylbenzene	8.3	J	ug/kg	11	0.65	1
o-Chlorotoluene	ND		ug/kg	11	1.0	1
p-Chlorotoluene	ND		ug/kg	11	0.59	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	5.5	1
Hexachlorobutadiene	ND		ug/kg	22	0.93	1
Isopropylbenzene	50		ug/kg	5.5	0.60	1
p-Isopropyltoluene	500		ug/kg	5.5	0.60	1
Naphthalene	15	J	ug/kg	22	3.6	1
Acrylonitrile	ND		ug/kg	22	6.3	1
n-Propylbenzene	72		ug/kg	5.5	0.94	1
1,2,3-Trichlorobenzene	ND		ug/kg	11	1.8	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02 R
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	11	1.5	1
1,3,5-Trimethylbenzene	170		ug/kg	11	1.0	1
1,2,4-Trimethylbenzene	430		ug/kg	11	1.8	1
Acrolein	ND		ug/kg	140	31.	1
Freon-113	ND		ug/kg	22	3.8	1
p-Diethylbenzene	290		ug/kg	11	0.97	1
p-Ethyltoluene	220		ug/kg	11	2.1	1
1,2,4,5-Tetramethylbenzene	53		ug/kg	11	1.0	1
Tetrahydrofuran	ND		ug/kg	22	8.7	1
Ethyl ether	ND		ug/kg	11	1.9	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	11	0.70	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	11	0.96	1
2-Nitropropane	ND		ug/kg	27	1.1	1
Allyl chloride	ND		ug/kg	27	0.52	1
Chlorodifluoromethane	ND		ug/kg	27	2.7	1
cis-Decahydronaphthalene	ND		ug/kg	27	0.53	1
Decane	430		ug/kg	27	2.3	1
Hexachloroethane	ND		ug/kg	27	0.29	1
n-Hexane	8.2	J	ug/kg	27	0.95	1
R-Limonene	470		ug/kg	27	0.31	1
Methyl Isothiocyanate	ND		ug/kg	27	0.25	1
Methyl methacrylate	ND		ug/kg	27	0.29	1
Butyl acetate	ND		ug/kg	27	0.39	1
Nitrobenzene	ND		ug/kg	27	2.4	1
Nonane	99		ug/kg	27	0.44	1
n-Octane	120		ug/kg	27	0.78	1
trans-Decahydronaphthalene	58		ug/kg	27	0.31	1
n-Undecane	150		ug/kg	27	1.3	1
Iodomethane	ND		ug/kg	55	18.	1
Ethyl methacrylate	ND		ug/kg	55	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	152	Q	70-130
Dibromofluoromethane	116		70-130



Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03
Client ID: SP-2
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 12:25
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 11:03
Analyst: KJD
Percent Solids: 37%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	19	8.6	1
1,1-Dichloroethane	ND		ug/kg	3.8	0.54	1
Chloroform	3.4	J	ug/kg	5.6	0.53	1
Carbon tetrachloride	ND		ug/kg	3.8	0.87	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.47	1
Dibromochloromethane	ND		ug/kg	3.8	0.53	1
2-Chloroethylvinyl ether	ND		ug/kg	75	6.2	1
1,1,2-Trichloroethane	ND		ug/kg	3.8	1.0	1
Tetrachloroethene	250		ug/kg	1.9	0.74	1
Chlorobenzene	ND		ug/kg	1.9	0.48	1
Trichlorofluoromethane	ND		ug/kg	15	2.6	1
1,2-Dichloroethane	ND		ug/kg	3.8	0.97	1
1,1,1-Trichloroethane	ND		ug/kg	1.9	0.63	1
Bromodichloromethane	ND		ug/kg	1.9	0.41	1
trans-1,3-Dichloropropene	ND		ug/kg	3.8	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.9	0.59	1
1,1-Dichloropropene	ND		ug/kg	1.9	0.60	1
Bromoform	ND		ug/kg	15	0.93	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	0.62	1
Benzene	ND		ug/kg	1.9	0.62	1
Toluene	ND		ug/kg	3.8	2.0	1
Ethylbenzene	ND		ug/kg	3.8	0.53	1
Chloromethane	5.0	J	ug/kg	15	3.5	1
Vinyl chloride	ND		ug/kg	3.8	1.3	1
Chloroethane	ND		ug/kg	7.5	1.7	1
1,1-Dichloroethene	ND		ug/kg	3.8	0.90	1
trans-1,2-Dichloroethene	ND		ug/kg	5.6	0.52	1
Trichloroethene	ND		ug/kg	1.9	0.52	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03
Client ID: SP-2
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 12:25
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.54	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.56	1
1,4-Dichlorobenzene	1.6	J	ug/kg	7.5	0.64	1
Methyl tert butyl ether	ND		ug/kg	7.5	0.76	1
p/m-Xylene	ND		ug/kg	7.5	2.1	1
o-Xylene	ND		ug/kg	3.8	1.1	1
Xylenes, Total	ND		ug/kg	3.8	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	3.8	0.66	1
Dibromomethane	ND		ug/kg	7.5	0.90	1
Styrene	ND		ug/kg	3.8	0.74	1
Dichlorodifluoromethane	ND		ug/kg	38	3.4	1
Acetone	70		ug/kg	38	18.	1
Carbon disulfide	ND		ug/kg	38	17.	1
2-Butanone	ND		ug/kg	38	8.4	1
Vinyl acetate	ND		ug/kg	38	8.1	1
4-Methyl-2-pentanone	ND		ug/kg	38	4.8	1
1,2,3-Trichloropropane	ND		ug/kg	7.5	0.48	1
2-Hexanone	ND		ug/kg	38	4.4	1
Bromochloromethane	ND		ug/kg	7.5	0.77	1
2,2-Dichloropropane	ND		ug/kg	7.5	0.76	1
1,2-Dibromoethane	ND		ug/kg	3.8	1.0	1
1,3-Dichloropropane	ND		ug/kg	7.5	0.63	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.9	0.50	1
Bromobenzene	ND		ug/kg	7.5	0.54	1
n-Butylbenzene	1.3	J	ug/kg	3.8	0.63	1
sec-Butylbenzene	ND		ug/kg	3.8	0.55	1
tert-Butylbenzene	ND		ug/kg	7.5	0.44	1
o-Chlorotoluene	ND		ug/kg	7.5	0.72	1
p-Chlorotoluene	ND		ug/kg	7.5	0.41	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	3.8	1
Hexachlorobutadiene	ND		ug/kg	15	0.64	1
Isopropylbenzene	ND		ug/kg	3.8	0.41	1
p-Isopropyltoluene	90		ug/kg	3.8	0.41	1
Naphthalene	ND		ug/kg	15	2.4	1
Acrylonitrile	ND		ug/kg	15	4.3	1
n-Propylbenzene	1.3	J	ug/kg	3.8	0.64	1
1,2,3-Trichlorobenzene	1.3	J	ug/kg	7.5	1.2	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03
Client ID: SP-2
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 12:25
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,4-Trichlorobenzene	1.2	J	ug/kg	7.5	1.0	1
1,3,5-Trimethylbenzene	1.6	J	ug/kg	7.5	0.73	1
1,2,4-Trimethylbenzene	2.2	J	ug/kg	7.5	1.2	1
Acrolein	ND		ug/kg	94	21.	1
Freon-113	ND		ug/kg	15	2.6	1
p-Diethylbenzene	6.8	J	ug/kg	7.5	0.67	1
p-Ethyltoluene	ND		ug/kg	7.5	1.4	1
1,2,4,5-Tetramethylbenzene	3.3	J	ug/kg	7.5	0.72	1
Tetrahydrofuran	ND		ug/kg	15	6.0	1
Ethyl ether	ND		ug/kg	7.5	1.3	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	7.5	0.48	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	7.5	0.66	1
2-Nitropropane	ND		ug/kg	19	0.73	1
Allyl chloride	ND		ug/kg	19	0.36	1
Chlorodifluoromethane	ND		ug/kg	19	1.9	1
cis-Decahydronaphthalene	ND		ug/kg	19	0.36	1
Decane	11	J	ug/kg	19	1.6	1
Hexachloroethane	ND		ug/kg	19	0.20	1
n-Hexane	0.81	J	ug/kg	19	0.66	1
R-Limonene	12	J	ug/kg	19	0.21	1
Methyl Isothiocyanate	ND		ug/kg	19	0.17	1
Methyl methacrylate	ND		ug/kg	19	0.20	1
Butyl acetate	ND		ug/kg	19	0.27	1
Nitrobenzene	ND		ug/kg	19	1.7	1
Nonane	ND		ug/kg	19	0.30	1
n-Octane	0.59	J	ug/kg	19	0.54	1
trans-Decahydronaphthalene	15	J	ug/kg	19	0.22	1
n-Undecane	5.8	J	ug/kg	19	0.89	1
Iodomethane	ND		ug/kg	38	13.	1
Ethyl methacrylate	ND		ug/kg	38	5.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	130		70-130
4-Bromofluorobenzene	146	Q	70-130
Dibromofluoromethane	120		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03 R
Client ID: SP-2
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 12:25
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 13:42
Analyst: KJD
Percent Solids: 37%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	42	19.	1
1,1-Dichloroethane	ND		ug/kg	8.3	1.2	1
Chloroform	ND		ug/kg	12	1.2	1
Carbon tetrachloride	ND		ug/kg	8.3	1.9	1
1,2-Dichloropropane	ND		ug/kg	8.3	1.0	1
Dibromochloromethane	ND		ug/kg	8.3	1.2	1
2-Chloroethylvinyl ether	ND		ug/kg	170	14.	1
1,1,2-Trichloroethane	ND		ug/kg	8.3	2.2	1
Tetrachloroethene	270		ug/kg	4.2	1.6	1
Chlorobenzene	ND		ug/kg	4.2	1.0	1
Trichlorofluoromethane	ND		ug/kg	33	5.8	1
1,2-Dichloroethane	ND		ug/kg	8.3	2.1	1
1,1,1-Trichloroethane	ND		ug/kg	4.2	1.4	1
Bromodichloromethane	ND		ug/kg	4.2	0.91	1
trans-1,3-Dichloropropene	ND		ug/kg	8.3	2.3	1
cis-1,3-Dichloropropene	ND		ug/kg	4.2	1.3	1
1,1-Dichloropropene	ND		ug/kg	4.2	1.3	1
Bromoform	ND		ug/kg	33	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	4.2	1.4	1
Benzene	ND		ug/kg	4.2	1.4	1
Toluene	ND		ug/kg	8.3	4.5	1
Ethylbenzene	ND		ug/kg	8.3	1.2	1
Chloromethane	ND		ug/kg	33	7.8	1
Vinyl chloride	ND		ug/kg	8.3	2.8	1
Chloroethane	ND		ug/kg	17	3.8	1
1,1-Dichloroethene	ND		ug/kg	8.3	2.0	1
trans-1,2-Dichloroethene	ND		ug/kg	12	1.1	1
Trichloroethene	ND		ug/kg	4.2	1.1	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03 R
Client ID: SP-2
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 12:25
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	17	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	17	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	17	1.4	1
Methyl tert butyl ether	ND		ug/kg	17	1.7	1
p/m-Xylene	ND		ug/kg	17	4.7	1
o-Xylene	ND		ug/kg	8.3	2.4	1
Xylenes, Total	ND		ug/kg	8.3	2.4	1
cis-1,2-Dichloroethene	ND		ug/kg	8.3	1.4	1
Dibromomethane	ND		ug/kg	17	2.0	1
Styrene	ND		ug/kg	8.3	1.6	1
Dichlorodifluoromethane	ND		ug/kg	83	7.6	1
Acetone	280		ug/kg	83	40.	1
Carbon disulfide	ND		ug/kg	83	38.	1
2-Butanone	ND		ug/kg	83	18.	1
Vinyl acetate	ND		ug/kg	83	18.	1
4-Methyl-2-pentanone	ND		ug/kg	83	11.	1
1,2,3-Trichloropropane	ND		ug/kg	17	1.0	1
2-Hexanone	ND		ug/kg	83	9.8	1
Bromochloromethane	ND		ug/kg	17	1.7	1
2,2-Dichloropropane	ND		ug/kg	17	1.7	1
1,2-Dibromoethane	ND		ug/kg	8.3	2.3	1
1,3-Dichloropropane	ND		ug/kg	17	1.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	4.2	1.1	1
Bromobenzene	ND		ug/kg	17	1.2	1
n-Butylbenzene	ND		ug/kg	8.3	1.4	1
sec-Butylbenzene	ND		ug/kg	8.3	1.2	1
tert-Butylbenzene	ND		ug/kg	17	0.98	1
o-Chlorotoluene	ND		ug/kg	17	1.6	1
p-Chlorotoluene	ND		ug/kg	17	0.90	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	25	8.3	1
Hexachlorobutadiene	ND		ug/kg	33	1.4	1
Isopropylbenzene	ND		ug/kg	8.3	0.91	1
p-Isopropyltoluene	120		ug/kg	8.3	0.91	1
Naphthalene	9.6	J	ug/kg	33	5.4	1
Acrylonitrile	ND		ug/kg	33	9.6	1
n-Propylbenzene	ND		ug/kg	8.3	1.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	17	2.7	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03 R
Client ID: SP-2
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 12:25
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	17	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	17	1.6	1
1,2,4-Trimethylbenzene	4.3	J	ug/kg	17	2.8	1
Acrolein	ND		ug/kg	210	47.	1
Freon-113	ND		ug/kg	33	5.8	1
p-Diethylbenzene	ND		ug/kg	17	1.5	1
p-Ethyltoluene	ND		ug/kg	17	3.2	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	17	1.6	1
Tetrahydrofuran	ND		ug/kg	33	13.	1
Ethyl ether	ND		ug/kg	17	2.8	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	17	1.1	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	17	1.5	1
2-Nitropropane	ND		ug/kg	42	1.6	1
Allyl chloride	ND		ug/kg	42	0.78	1
Chlorodifluoromethane	ND		ug/kg	42	4.2	1
cis-Decahydronaphthalene	ND		ug/kg	42	0.80	1
Decane	ND		ug/kg	42	3.5	1
Hexachloroethane	ND		ug/kg	42	0.43	1
n-Hexane	ND		ug/kg	42	1.4	1
R-Limonene	39	J	ug/kg	42	0.47	1
Methyl Isothiocyanate	ND		ug/kg	42	0.38	1
Methyl methacrylate	ND		ug/kg	42	0.44	1
Butyl acetate	ND		ug/kg	42	0.59	1
Nitrobenzene	ND		ug/kg	42	3.7	1
Nonane	ND		ug/kg	42	0.67	1
n-Octane	ND		ug/kg	42	1.2	1
trans-Decahydronaphthalene	ND		ug/kg	42	0.48	1
n-Undecane	ND		ug/kg	42	2.0	1
Iodomethane	ND		ug/kg	83	28.	1
Ethyl methacrylate	ND		ug/kg	83	13.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	131	Q	70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	129		70-130
Dibromofluoromethane	102		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-04
Client ID: SP-3
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:58
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 11:43
Analyst: KJD
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
2-Chloroethylvinyl ether	ND		ug/kg	21	1.7	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.82		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-04
Client ID: SP-3
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:58
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-04
Client ID: SP-3
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:58
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.34	1
Acrolein	ND		ug/kg	26	5.8	1
Freon-113	ND		ug/kg	4.1	0.72	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Tetrahydrofuran	ND		ug/kg	4.1	1.6	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.1	0.13	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.1	0.18	1
2-Nitropropane	ND		ug/kg	5.2	0.20	1
Allyl chloride	ND		ug/kg	5.2	0.10	1
Chlorodifluoromethane	ND		ug/kg	5.2	0.52	1
cis-Decahydronaphthalene	ND		ug/kg	5.2	0.10	1
Decane	ND		ug/kg	5.2	0.44	1
Hexachloroethane	ND		ug/kg	5.2	0.05	1
n-Hexane	ND		ug/kg	5.2	0.18	1
R-Limonene	ND		ug/kg	5.2	0.06	1
Methyl Isothiocyanate	ND		ug/kg	5.2	0.05	1
Methyl methacrylate	ND		ug/kg	5.2	0.05	1
Butyl acetate	ND		ug/kg	5.2	0.07	1
Nitrobenzene	ND		ug/kg	5.2	0.46	1
Nonane	ND		ug/kg	5.2	0.08	1
n-Octane	ND		ug/kg	5.2	0.15	1
trans-Decahydronaphthalene	ND		ug/kg	5.2	0.06	1
n-Undecane	ND		ug/kg	5.2	0.24	1
Iodomethane	ND		ug/kg	10	3.5	1
Ethyl methacrylate	ND		ug/kg	10	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-05
Client ID: SP-4
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 12:23
Analyst: KJD
Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	13	6.1	1
1,1-Dichloroethane	ND		ug/kg	2.7	0.39	1
Chloroform	2.7	J	ug/kg	4.0	0.37	1
Carbon tetrachloride	ND		ug/kg	2.7	0.62	1
1,2-Dichloropropane	ND		ug/kg	2.7	0.33	1
Dibromochloromethane	ND		ug/kg	2.7	0.37	1
2-Chloroethylvinyl ether	ND		ug/kg	53	4.4	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	0.71	1
Tetrachloroethene	100		ug/kg	1.3	0.52	1
Chlorobenzene	ND		ug/kg	1.3	0.34	1
Trichlorofluoromethane	ND		ug/kg	11	1.8	1
1,2-Dichloroethane	ND		ug/kg	2.7	0.69	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.45	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	0.73	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.42	1
1,1-Dichloropropene	ND		ug/kg	1.3	0.42	1
Bromoform	ND		ug/kg	11	0.66	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.44	1
Benzene	ND		ug/kg	1.3	0.44	1
Toluene	ND		ug/kg	2.7	1.4	1
Ethylbenzene	ND		ug/kg	2.7	0.38	1
Chloromethane	ND		ug/kg	11	2.5	1
Vinyl chloride	ND		ug/kg	2.7	0.90	1
Chloroethane	ND		ug/kg	5.3	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.7	0.64	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	0.37	1
Trichloroethene	ND		ug/kg	1.3	0.37	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-05
Client ID: SP-4
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.38	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.40	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.46	1
Methyl tert butyl ether	ND		ug/kg	5.3	0.54	1
p/m-Xylene	ND		ug/kg	5.3	1.5	1
o-Xylene	ND		ug/kg	2.7	0.78	1
Xylenes, Total	ND		ug/kg	2.7	0.78	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	0.47	1
Dibromomethane	ND		ug/kg	5.3	0.64	1
Styrene	ND		ug/kg	2.7	0.52	1
Dichlorodifluoromethane	ND		ug/kg	27	2.4	1
Acetone	16	J	ug/kg	27	13.	1
Carbon disulfide	ND		ug/kg	27	12.	1
2-Butanone	ND		ug/kg	27	5.9	1
Vinyl acetate	ND		ug/kg	27	5.8	1
4-Methyl-2-pentanone	ND		ug/kg	27	3.4	1
1,2,3-Trichloropropane	ND		ug/kg	5.3	0.34	1
2-Hexanone	ND		ug/kg	27	3.2	1
Bromochloromethane	ND		ug/kg	5.3	0.55	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.54	1
1,2-Dibromoethane	ND		ug/kg	2.7	0.75	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.45	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.35	1
Bromobenzene	ND		ug/kg	5.3	0.39	1
n-Butylbenzene	ND		ug/kg	2.7	0.45	1
sec-Butylbenzene	ND		ug/kg	2.7	0.39	1
tert-Butylbenzene	ND		ug/kg	5.3	0.32	1
o-Chlorotoluene	ND		ug/kg	5.3	0.51	1
p-Chlorotoluene	ND		ug/kg	5.3	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.0	2.7	1
Hexachlorobutadiene	ND		ug/kg	11	0.45	1
Isopropylbenzene	ND		ug/kg	2.7	0.29	1
p-Isopropyltoluene	ND		ug/kg	2.7	0.29	1
Naphthalene	ND		ug/kg	11	1.7	1
Acrylonitrile	ND		ug/kg	11	3.1	1
n-Propylbenzene	ND		ug/kg	2.7	0.46	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.86	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-05
Client ID: SP-4
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.52	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.89	1
Acrolein	ND		ug/kg	67	15.	1
Freon-113	ND		ug/kg	11	1.8	1
p-Diethylbenzene	ND		ug/kg	5.3	0.47	1
p-Ethyltoluene	ND		ug/kg	5.3	1.0	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.3	0.51	1
Tetrahydrofuran	ND		ug/kg	11	4.2	1
Ethyl ether	ND		ug/kg	5.3	0.91	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.3	0.34	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.3	0.47	1
2-Nitropropane	ND		ug/kg	13	0.52	1
Allyl chloride	ND		ug/kg	13	0.25	1
Chlorodifluoromethane	ND		ug/kg	13	1.3	1
cis-Decahydronaphthalene	ND		ug/kg	13	0.26	1
Decane	ND		ug/kg	13	1.1	1
Hexachloroethane	ND		ug/kg	13	0.14	1
n-Hexane	ND		ug/kg	13	0.46	1
R-Limonene	ND		ug/kg	13	0.15	1
Methyl Isothiocyanate	ND		ug/kg	13	0.12	1
Methyl methacrylate	ND		ug/kg	13	0.14	1
Butyl acetate	ND		ug/kg	13	0.19	1
Nitrobenzene	ND		ug/kg	13	1.2	1
Nonane	ND		ug/kg	13	0.21	1
n-Octane	ND		ug/kg	13	0.38	1
trans-Decahydronaphthalene	ND		ug/kg	13	0.15	1
n-Undecane	ND		ug/kg	13	0.63	1
Iodomethane	ND		ug/kg	27	9.1	1
Ethyl methacrylate	ND		ug/kg	27	4.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	137	Q	70-130
Dibromofluoromethane	101		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-05
Client ID: SP-4
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 16:18
Analyst: KJD
Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	650	300	1
1,1-Dichloroethane	ND		ug/kg	130	19.	1
Chloroform	19	J	ug/kg	200	18.	1
Carbon tetrachloride	ND		ug/kg	130	30.	1
1,2-Dichloropropane	ND		ug/kg	130	16.	1
Dibromochloromethane	ND		ug/kg	130	18.	1
2-Chloroethylvinyl ether	ND		ug/kg	2600	210	1
1,1,2-Trichloroethane	ND		ug/kg	130	35.	1
Tetrachloroethene	120		ug/kg	65	26.	1
Chlorobenzene	ND		ug/kg	65	16.	1
Trichlorofluoromethane	ND		ug/kg	520	90.	1
1,2-Dichloroethane	ND		ug/kg	130	33.	1
1,1,1-Trichloroethane	ND		ug/kg	65	22.	1
Bromodichloromethane	ND		ug/kg	65	14.	1
trans-1,3-Dichloropropene	ND		ug/kg	130	36.	1
cis-1,3-Dichloropropene	ND		ug/kg	65	20.	1
1,1-Dichloropropene	ND		ug/kg	65	21.	1
Bromoform	ND		ug/kg	520	32.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	65	22.	1
Benzene	ND		ug/kg	65	22.	1
Toluene	ND		ug/kg	130	71.	1
Ethylbenzene	ND		ug/kg	130	18.	1
Chloromethane	ND		ug/kg	520	120	1
Vinyl chloride	ND		ug/kg	130	44.	1
Chloroethane	ND		ug/kg	260	59.	1
1,1-Dichloroethene	ND		ug/kg	130	31.	1
trans-1,2-Dichloroethene	ND		ug/kg	200	18.	1
Trichloroethene	ND		ug/kg	65	18.	1

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-05

Date Collected: 06/04/21 11:35

Client ID: SP-4

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	260	19.	1
1,3-Dichlorobenzene	ND		ug/kg	260	19.	1
1,4-Dichlorobenzene	ND		ug/kg	260	22.	1
Methyl tert butyl ether	ND		ug/kg	260	26.	1
p/m-Xylene	ND		ug/kg	260	73.	1
o-Xylene	ND		ug/kg	130	38.	1
Xylenes, Total	ND		ug/kg	130	38.	1
cis-1,2-Dichloroethene	ND		ug/kg	130	23.	1
Dibromomethane	ND		ug/kg	260	31.	1
Styrene	28	J	ug/kg	130	26.	1
Dichlorodifluoromethane	ND		ug/kg	1300	120	1
Acetone	ND		ug/kg	1300	630	1
Carbon disulfide	ND		ug/kg	1300	590	1
2-Butanone	ND		ug/kg	1300	290	1
Vinyl acetate	ND		ug/kg	1300	280	1
4-Methyl-2-pentanone	ND		ug/kg	1300	170	1
1,2,3-Trichloropropane	ND		ug/kg	260	16.	1
2-Hexanone	ND		ug/kg	1300	150	1
Bromochloromethane	ND		ug/kg	260	27.	1
2,2-Dichloropropane	ND		ug/kg	260	26.	1
1,2-Dibromoethane	ND		ug/kg	130	36.	1
1,3-Dichloropropane	ND		ug/kg	260	22.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	65	17.	1
Bromobenzene	ND		ug/kg	260	19.	1
n-Butylbenzene	ND		ug/kg	130	22.	1
sec-Butylbenzene	ND		ug/kg	130	19.	1
tert-Butylbenzene	ND		ug/kg	260	15.	1
o-Chlorotoluene	ND		ug/kg	260	25.	1
p-Chlorotoluene	ND		ug/kg	260	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	390	130	1
Hexachlorobutadiene	ND		ug/kg	520	22.	1
Isopropylbenzene	ND		ug/kg	130	14.	1
p-Isopropyltoluene	ND		ug/kg	130	14.	1
Naphthalene	ND		ug/kg	520	85.	1
Acrylonitrile	ND		ug/kg	520	150	1
n-Propylbenzene	ND		ug/kg	130	22.	1
1,2,3-Trichlorobenzene	ND		ug/kg	260	42.	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-05
Client ID: SP-4
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	260	35.	1
1,3,5-Trimethylbenzene	ND		ug/kg	260	25.	1
1,2,4-Trimethylbenzene	ND		ug/kg	260	44.	1
Acrolein	ND		ug/kg	3200	730	1
Freon-113	ND		ug/kg	520	90.	1
p-Diethylbenzene	ND		ug/kg	260	23.	1
p-Ethyltoluene	ND		ug/kg	260	50.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	260	25.	1
Tetrahydrofuran	ND		ug/kg	520	210	1
Ethyl ether	ND		ug/kg	260	44.	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	260	17.	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	260	23.	1
2-Nitropropane	ND		ug/kg	650	25.	1
Allyl chloride	ND		ug/kg	650	12.	1
Chlorodifluoromethane	ND		ug/kg	650	65.	1
cis-Decahydronaphthalene	ND		ug/kg	650	12.	1
Decane	ND		ug/kg	650	55.	1
Hexachloroethane	ND		ug/kg	650	6.8	1
n-Hexane	ND		ug/kg	650	23.	1
R-Limonene	ND		ug/kg	650	7.3	1
Methyl Isothiocyanate	ND		ug/kg	650	5.9	1
Methyl methacrylate	ND		ug/kg	650	6.9	1
Butyl acetate	110	J	ug/kg	650	9.3	1
Nitrobenzene	ND		ug/kg	650	58.	1
Nonane	ND		ug/kg	650	10.	1
n-Octane	ND		ug/kg	650	19.	1
trans-Decahydronaphthalene	ND		ug/kg	650	7.4	1
n-Undecane	ND		ug/kg	650	31.	1
Iodomethane	ND		ug/kg	1300	440	1
Ethyl methacrylate	ND		ug/kg	1300	200	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-06
Client ID: #14
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 13:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/10/21 09:43
Analyst: MV
Percent Solids: 24%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	2500	1200	1
1,1-Dichloroethane	ND		ug/kg	500	73.	1
Chloroform	ND		ug/kg	760	71.	1
Carbon tetrachloride	ND		ug/kg	500	120	1
1,2-Dichloropropane	ND		ug/kg	500	63.	1
Dibromochloromethane	ND		ug/kg	500	71.	1
2-Chloroethylvinyl ether	ND		ug/kg	10000	830	1
1,1,2-Trichloroethane	ND		ug/kg	500	130	1
Tetrachloroethene	160	J	ug/kg	250	99.	1
Chlorobenzene	ND		ug/kg	250	64.	1
Trichlorofluoromethane	ND		ug/kg	2000	350	1
1,2-Dichloroethane	ND		ug/kg	500	130	1
1,1,1-Trichloroethane	ND		ug/kg	250	84.	1
Bromodichloromethane	ND		ug/kg	250	55.	1
trans-1,3-Dichloropropene	ND		ug/kg	500	140	1
cis-1,3-Dichloropropene	ND		ug/kg	250	80.	1
1,1-Dichloropropene	ND		ug/kg	250	80.	1
Bromoform	ND		ug/kg	2000	120	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	250	84.	1
Benzene	ND		ug/kg	250	84.	1
Toluene	27000		ug/kg	500	270	1
Ethylbenzene	250	J	ug/kg	500	71.	1
Chloromethane	ND		ug/kg	2000	470	1
Vinyl chloride	ND		ug/kg	500	170	1
Chloroethane	ND		ug/kg	1000	230	1
1,1-Dichloroethene	ND		ug/kg	500	120	1
trans-1,2-Dichloroethene	ND		ug/kg	760	69.	1
Trichloroethene	ND		ug/kg	250	69.	1

Project Name: OCEAN STATE JOB LOT**Lab Number:** L2130159**Project Number:** 30088967.01**Report Date:** 06/11/21**SAMPLE RESULTS****Lab ID:** L2130159-06**Date Collected:** 06/04/21 13:35**Client ID:** #14**Date Received:** 06/04/21**Sample Location:** CENTEREACH, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1000	73.	1
1,3-Dichlorobenzene	ND		ug/kg	1000	75.	1
1,4-Dichlorobenzene	8100		ug/kg	1000	86.	1
Methyl tert butyl ether	ND		ug/kg	1000	100	1
p/m-Xylene	ND		ug/kg	1000	280	1
o-Xylene	ND		ug/kg	500	150	1
Xylenes, Total	ND		ug/kg	500	150	1
cis-1,2-Dichloroethene	ND		ug/kg	500	88.	1
Dibromomethane	ND		ug/kg	1000	120	1
Styrene	130	J	ug/kg	500	99.	1
Dichlorodifluoromethane	ND		ug/kg	5000	460	1
Acetone	4400	J	ug/kg	5000	2400	1
Carbon disulfide	ND		ug/kg	5000	2300	1
2-Butanone	1700	J	ug/kg	5000	1100	1
Vinyl acetate	ND		ug/kg	5000	1100	1
4-Methyl-2-pentanone	ND		ug/kg	5000	640	1
1,2,3-Trichloropropane	ND		ug/kg	1000	64.	1
2-Hexanone	ND		ug/kg	5000	600	1
Bromochloromethane	ND		ug/kg	1000	100	1
2,2-Dichloropropane	ND		ug/kg	1000	100	1
1,2-Dibromoethane	ND		ug/kg	500	140	1
1,3-Dichloropropane	ND		ug/kg	1000	84.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	250	66.	1
Bromobenzene	ND		ug/kg	1000	73.	1
n-Butylbenzene	240	J	ug/kg	500	84.	1
sec-Butylbenzene	160	J	ug/kg	500	74.	1
tert-Butylbenzene	ND		ug/kg	1000	60.	1
o-Chlorotoluene	ND		ug/kg	1000	96.	1
p-Chlorotoluene	ND		ug/kg	1000	54.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1500	500	1
Hexachlorobutadiene	ND		ug/kg	2000	85.	1
Isopropylbenzene	280	J	ug/kg	500	55.	1
p-Isopropyltoluene	720		ug/kg	500	55.	1
Naphthalene	ND		ug/kg	2000	330	1
Acrylonitrile	ND		ug/kg	2000	580	1
n-Propylbenzene	200	J	ug/kg	500	86.	1
1,2,3-Trichlorobenzene	ND		ug/kg	1000	160	1

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-06

Date Collected: 06/04/21 13:35

Client ID: #14

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	1000	140	1
1,3,5-Trimethylbenzene	200	J	ug/kg	1000	97.	1
1,2,4-Trimethylbenzene	680	J	ug/kg	1000	170	1
Acrolein	ND		ug/kg	13000	2800	1
Freon-113	ND		ug/kg	2000	350	1
p-Diethylbenzene	550	J	ug/kg	1000	89.	1
p-Ethyltoluene	410	J	ug/kg	1000	190	1
1,2,4,5-Tetramethylbenzene	140	J	ug/kg	1000	96.	1
Tetrahydrofuran	ND		ug/kg	2000	800	1
Ethyl ether	ND		ug/kg	1000	170	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1000	64.	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1000	89.	1
2-Nitropropane	ND		ug/kg	2500	98.	1
Allyl chloride	ND		ug/kg	2500	48.	1
Chlorodifluoromethane	ND		ug/kg	2500	250	1
cis-Decahydronaphthalene	ND		ug/kg	2500	49.	1
Decane	1600	J	ug/kg	2500	210	1
Hexachloroethane	ND		ug/kg	2500	26.	1
n-Hexane	ND		ug/kg	2500	88.	1
R-Limonene	200	J	ug/kg	2500	28.	1
Methyl Isothiocyanate	ND		ug/kg	2500	23.	1
Methyl methacrylate	ND		ug/kg	2500	27.	1
Butyl acetate	ND		ug/kg	2500	36.	1
Nitrobenzene	ND		ug/kg	2500	220	1
Nonane	ND		ug/kg	2500	40.	1
n-Octane	580	J	ug/kg	2500	72.	1
trans-Decahydronaphthalene	330	J	ug/kg	2500	29.	1
n-Undecane	690	J	ug/kg	2500	120	1
Iodomethane	ND		ug/kg	5000	1700	1
Ethyl methacrylate	ND		ug/kg	5000	800	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	102		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-07
Client ID: TB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 00:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 06/10/21 09:43
Analyst: PD

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

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-07
Client ID: TB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 00:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-07
Client ID: TB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 00:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	90		70-130

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/21 08:33
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,07 Batch: WG1510420-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/10/21 08:33
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,07 Batch: WG1510420-5					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,07 Batch: WG1510420-5					
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	90		70-130

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/21 09:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05-06 Batch: WG1510426-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
2-Chloroethylvinyl ether	ND		ug/kg	1000	82.
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2

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Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
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 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05-06 Batch: WG1510426-5					
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	15	J	ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.

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Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05-06 Batch: WG1510426-5					
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Acrolein	ND		ug/kg	1200	280
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Tetrahydrofuran	ND		ug/kg	200	80.
Ethyl ether	ND		ug/kg	100	17.
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	6.4
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	8.8
2-Nitropropane	ND		ug/kg	250	9.7
Allyl chloride	ND		ug/kg	250	4.7
Chlorodifluoromethane	ND		ug/kg	250	25.
cis-Decahydronaphthalene	ND		ug/kg	250	4.8
Decane	ND		ug/kg	250	21.
Hexachloroethane	ND		ug/kg	250	2.6
n-Hexane	ND		ug/kg	250	8.7
R-Limonene	ND		ug/kg	250	2.8
Methyl Isothiocyanate	ND		ug/kg	250	2.3
Methyl methacrylate	ND		ug/kg	250	2.6

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Method Blank Analysis
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Analytical Method: 1,8260C
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 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,05-06 Batch: WG1510426-5					
Butyl acetate	32	J	ug/kg	250	3.6
Nitrobenzene	ND		ug/kg	250	22.
Nonane	ND		ug/kg	250	4.0
n-Octane	ND		ug/kg	250	7.2
trans-Decahydronaphthalene	ND		ug/kg	250	2.9
n-Undecane	ND		ug/kg	250	12.
Iodomethane	ND		ug/kg	500	170
Ethyl methacrylate	ND		ug/kg	500	79.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	91		70-130

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/10/21 08:23
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1510463-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
2-Chloroethylvinyl ether	ND		ug/kg	20	1.6
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

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Lab Number: L2130159
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1510463-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.42	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0

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**Method Blank Analysis
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Analytical Method: 1,8260C
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 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1510463-5					
Hexachlorobutadiene	0.26	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.48	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.38	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Acrolein	ND		ug/kg	25	5.6
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Tetrahydrofuran	ND		ug/kg	4.0	1.6
Ethyl ether	ND		ug/kg	2.0	0.34
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	0.13
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	0.18
2-Nitropropane	ND		ug/kg	5.0	0.19
Allyl chloride	ND		ug/kg	5.0	0.09
Chlorodifluoromethane	ND		ug/kg	5.0	0.50
cis-Decahydronaphthalene	0.11	J	ug/kg	5.0	0.10
Decane	ND		ug/kg	5.0	0.42
Hexachloroethane	ND		ug/kg	5.0	0.05
n-Hexane	ND		ug/kg	5.0	0.17
R-Limonene	ND		ug/kg	5.0	0.06
Methyl Isothiocyanate	ND		ug/kg	5.0	0.05
Methyl methacrylate	ND		ug/kg	5.0	0.05

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Method Blank Analysis
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Analytical Method: 1,8260C
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 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-05 Batch: WG1510463-5					
Butyl acetate	0.88	J	ug/kg	5.0	0.07
Nitrobenzene	ND		ug/kg	5.0	0.45
Nonane	ND		ug/kg	5.0	0.08
n-Octane	ND		ug/kg	5.0	0.14
trans-Decahydronaphthalene	0.07	J	ug/kg	5.0	0.06
n-Undecane	ND		ug/kg	5.0	0.24
Iodomethane	ND		ug/kg	10	3.4
Ethyl methacrylate	ND		ug/kg	10	1.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1510420-3 WG1510420-4								
Methylene chloride	88		89		70-130	1		20
1,1-Dichloroethane	97		100		70-130	3		20
Chloroform	84		86		70-130	2		20
Carbon tetrachloride	76		76		63-132	0		20
1,2-Dichloropropane	99		100		70-130	1		20
Dibromochloromethane	85		85		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	86		86		70-130	0		20
Chlorobenzene	95		94		75-130	1		20
Trichlorofluoromethane	78		79		62-150	1		20
1,2-Dichloroethane	96		96		70-130	0		20
1,1,1-Trichloroethane	82		82		67-130	0		20
Bromodichloromethane	79		82		67-130	4		20
trans-1,3-Dichloropropene	96		97		70-130	1		20
cis-1,3-Dichloropropene	84		85		70-130	1		20
1,1-Dichloropropene	88		90		70-130	2		20
Bromoform	89		89		54-136	0		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	86		88		70-130	2		20
Toluene	99		100		70-130	1		20
Ethylbenzene	97		97		70-130	0		20
Vinyl chloride	86		89		55-140	3		20
Chloroethane	87		89		55-138	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1510420-3 WG1510420-4								
1,1-Dichloroethene	83		84		61-145	1		20
trans-1,2-Dichloroethene	85		86		70-130	1		20
Trichloroethene	85		85		70-130	0		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	80		84		63-130	5		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	85		86		70-130	1		20
Dibromomethane	83		82		70-130	1		20
1,2,3-Trichloropropane	120		120		64-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	68		69		36-147	1		20
Acetone	130		120		58-148	8		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	110		120		59-130	9		20
Bromochloromethane	86		85		70-130	1		20
2,2-Dichloropropane	87		88		63-133	1		20
1,2-Dibromoethane	93		92		70-130	1		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	87		88		64-130	1		20
Bromobenzene	100		100		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1510420-3 WG1510420-4								
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	82		82		41-144	0		20
Hexachlorobutadiene	99		94		63-130	5		20
Isopropylbenzene	110		120		70-130	9		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	94		99		70-130	5		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	90		93		70-130	3		20
1,2,4-Trichlorobenzene	93		96		70-130	3		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
Freon-113	82		84		70-130	2		20
p-Diethylbenzene	110		100		70-130	10		20
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,07 Batch: WG1510420-3 WG1510420-4

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		110		70-130
Toluene-d8	113		114		70-130
4-Bromofluorobenzene	119		120		70-130
Dibromofluoromethane	92		93		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05-06 Batch: WG1510426-3 WG1510426-4								
Methylene chloride	80		82		70-130	2		30
1,1-Dichloroethane	100		84		70-130	17		30
Chloroform	94		86		70-130	9		30
Carbon tetrachloride	109		108		70-130	1		30
1,2-Dichloropropane	92		104		70-130	12		30
Dibromochloromethane	100		103		70-130	3		30
2-Chloroethylvinyl ether	81		87		70-130	7		30
1,1,2-Trichloroethane	93		88		70-130	6		30
Tetrachloroethene	105		103		70-130	2		30
Chlorobenzene	90		92		70-130	2		30
Trichlorofluoromethane	92		95		70-139	3		30
1,2-Dichloroethane	95		88		70-130	8		30
1,1,1-Trichloroethane	105		102		70-130	3		30
Bromodichloromethane	98		108		70-130	10		30
trans-1,3-Dichloropropene	103		98		70-130	5		30
cis-1,3-Dichloropropene	101		111		70-130	9		30
1,1-Dichloropropene	98		90		70-130	9		30
Bromoform	96		99		70-130	3		30
1,1,2,2-Tetrachloroethane	75		85		70-130	13		30
Benzene	92		85		70-130	8		30
Toluene	90		89		70-130	1		30
Ethylbenzene	87		94		70-130	8		30
Chloromethane	70		67		52-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05-06 Batch: WG1510426-3 WG1510426-4								
Vinyl chloride	79		80		67-130	1		30
Chloroethane	76		77		50-151	1		30
1,1-Dichloroethene	87		89		65-135	2		30
trans-1,2-Dichloroethene	95		90		70-130	5		30
Trichloroethene	100		109		70-130	9		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	91		96		70-130	5		30
1,4-Dichlorobenzene	91		94		70-130	3		30
Methyl tert butyl ether	89		88		66-130	1		30
p/m-Xylene	89		94		70-130	5		30
o-Xylene	90		95		70-130	5		30
cis-1,2-Dichloroethene	98		90		70-130	9		30
Dibromomethane	92		100		70-130	8		30
Styrene	90		98		70-130	9		30
Dichlorodifluoromethane	66		63		30-146	5		30
Acetone	80		71		54-140	12		30
Carbon disulfide	76		78		59-130	3		30
2-Butanone	100		75		70-130	29		30
Vinyl acetate	108		86		70-130	23		30
4-Methyl-2-pentanone	92		84		70-130	9		30
1,2,3-Trichloropropane	73		81		68-130	10		30
2-Hexanone	99		87		70-130	13		30
Bromochloromethane	101		100		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05-06 Batch: WG1510426-3 WG1510426-4								
2,2-Dichloropropane	111		102		70-130	8		30
1,2-Dibromoethane	92		93		70-130	1		30
1,3-Dichloropropane	88		88		69-130	0		30
1,1,1,2-Tetrachloroethane	102		105		70-130	3		30
Bromobenzene	91		94		70-130	3		30
n-Butylbenzene	83		95		70-130	13		30
sec-Butylbenzene	86		95		70-130	10		30
tert-Butylbenzene	90		97		70-130	7		30
o-Chlorotoluene	79		89		70-130	12		30
p-Chlorotoluene	80		89		70-130	11		30
1,2-Dibromo-3-chloropropane	104		95		68-130	9		30
Hexachlorobutadiene	110		109		67-130	1		30
Isopropylbenzene	86		97		70-130	12		30
p-Isopropyltoluene	91		97		70-130	6		30
Naphthalene	91		92		70-130	1		30
Acrylonitrile	78		75		70-130	4		30
n-Propylbenzene	82		94		70-130	14		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30
1,2,4-Trichlorobenzene	106		104		70-130	2		30
1,3,5-Trimethylbenzene	86		94		70-130	9		30
1,2,4-Trimethylbenzene	86		94		70-130	9		30
Acrolein	54	Q	52	Q	70-130	4		30
Freon-113	90		93		50-139	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05-06 Batch: WG1510426-3 WG1510426-4								
p-Diethylbenzene	92		99		70-130	7		30
p-Ethyltoluene	86		94		70-130	9		30
1,2,4,5-Tetramethylbenzene	103		101		70-130	2		30
Tetrahydrofuran	84		65	Q	66-130	26		30
Ethyl ether	79		79		67-130	0		30
Ethyl-Tert-Butyl-Ether	105		89		70-130	16		30
Tertiary-Amyl Methyl Ether	100		90		70-130	11		30
2-Nitropropane	109		110		70-130	1		30
Allyl chloride	99		101		70-130	2		30
Chlorodifluoromethane	114		105		70-130	8		30
cis-Decahydronaphthalene	113		112		70-130	1		30
Decane	81		102		70-130	23		30
Hexachloroethane	106		109		70-130	3		30
n-Hexane	113		99		70-130	13		30
R-Limonene	86		101		70-130	16		30
Methyl Isothiocyanate	117		105		70-130	11		30
Methyl methacrylate	112		121		70-130	8		30
Butyl acetate	101		98		70-130	3		30
Nitrobenzene	114		99		70-130	14		30
Nonane	87		101		70-130	15		30
n-Octane	108		107		70-130	1		30
trans-Decahydronaphthalene	101		108		70-130	7		30
n-Undecane	85		101		70-130	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,05-06 Batch: WG1510426-3 WG1510426-4								
Iodomethane	99		113		70-130	13		30
Ethyl methacrylate	102		93		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		89		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	88		98		70-130
Dibromofluoromethane	103		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1510463-3 WG1510463-4								
Methylene chloride	80		82		70-130	2		30
1,1-Dichloroethane	100		84		70-130	17		30
Chloroform	94		86		70-130	9		30
Carbon tetrachloride	109		108		70-130	1		30
1,2-Dichloropropane	92		104		70-130	12		30
Dibromochloromethane	100		103		70-130	3		30
2-Chloroethylvinyl ether	81		87		70-130	7		30
1,1,2-Trichloroethane	93		88		70-130	6		30
Tetrachloroethene	105		103		70-130	2		30
Chlorobenzene	90		92		70-130	2		30
Trichlorofluoromethane	92		95		70-139	3		30
1,2-Dichloroethane	95		88		70-130	8		30
1,1,1-Trichloroethane	105		102		70-130	3		30
Bromodichloromethane	98		108		70-130	10		30
trans-1,3-Dichloropropene	103		98		70-130	5		30
cis-1,3-Dichloropropene	101		111		70-130	9		30
1,1-Dichloropropene	98		90		70-130	9		30
Bromoform	96		99		70-130	3		30
1,1,2,2-Tetrachloroethane	75		85		70-130	13		30
Benzene	92		85		70-130	8		30
Toluene	90		89		70-130	1		30
Ethylbenzene	87		94		70-130	8		30
Chloromethane	70		67		52-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1510463-3 WG1510463-4								
Vinyl chloride	79		80		67-130	1		30
Chloroethane	76		77		50-151	1		30
1,1-Dichloroethene	87		89		65-135	2		30
trans-1,2-Dichloroethene	95		90		70-130	5		30
Trichloroethene	100		109		70-130	9		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	91		96		70-130	5		30
1,4-Dichlorobenzene	91		94		70-130	3		30
Methyl tert butyl ether	89		88		66-130	1		30
p/m-Xylene	89		94		70-130	5		30
o-Xylene	90		95		70-130	5		30
cis-1,2-Dichloroethene	98		90		70-130	9		30
Dibromomethane	92		100		70-130	8		30
Styrene	90		98		70-130	9		30
Dichlorodifluoromethane	66		63		30-146	5		30
Acetone	80		71		54-140	12		30
Carbon disulfide	76		78		59-130	3		30
2-Butanone	100		75		70-130	29		30
Vinyl acetate	108		86		70-130	23		30
4-Methyl-2-pentanone	92		84		70-130	9		30
1,2,3-Trichloropropane	73		81		68-130	10		30
2-Hexanone	99		87		70-130	13		30
Bromochloromethane	101		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1510463-3 WG1510463-4								
2,2-Dichloropropane	111		102		70-130	8		30
1,2-Dibromoethane	92		93		70-130	1		30
1,3-Dichloropropane	88		88		69-130	0		30
1,1,1,2-Tetrachloroethane	102		105		70-130	3		30
Bromobenzene	91		94		70-130	3		30
n-Butylbenzene	83		95		70-130	13		30
sec-Butylbenzene	86		95		70-130	10		30
tert-Butylbenzene	90		97		70-130	7		30
o-Chlorotoluene	79		89		70-130	12		30
p-Chlorotoluene	80		89		70-130	11		30
1,2-Dibromo-3-chloropropane	104		95		68-130	9		30
Hexachlorobutadiene	110		109		67-130	1		30
Isopropylbenzene	86		97		70-130	12		30
p-Isopropyltoluene	91		97		70-130	6		30
Naphthalene	91		92		70-130	1		30
Acrylonitrile	78		75		70-130	4		30
n-Propylbenzene	82		94		70-130	14		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30
1,2,4-Trichlorobenzene	106		104		70-130	2		30
1,3,5-Trimethylbenzene	86		94		70-130	9		30
1,2,4-Trimethylbenzene	86		94		70-130	9		30
Acrolein	54	Q	52	Q	70-130	4		30
Freon-113	90		93		50-139	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1510463-3 WG1510463-4								
p-Diethylbenzene	92		99		70-130	7		30
p-Ethyltoluene	86		94		70-130	9		30
1,2,4,5-Tetramethylbenzene	103		101		70-130	2		30
Tetrahydrofuran	84		65	Q	66-130	26		30
Ethyl ether	79		79		67-130	0		30
Ethyl-Tert-Butyl-Ether	105		89		70-130	16		30
Tertiary-Amyl Methyl Ether	100		90		70-130	11		30
2-Nitropropane	109		110		70-130	1		30
Allyl chloride	99		101		70-130	2		30
Chlorodifluoromethane	114		105		70-130	8		30
cis-Decahydronaphthalene	113		112		70-130	1		30
Decane	81		102		70-130	23		30
Hexachloroethane	106		109		70-130	3		30
n-Hexane	113		99		70-130	13		30
R-Limonene	86		101		70-130	16		30
Methyl Isothiocyanate	117		105		70-130	11		30
Methyl methacrylate	112		121		70-130	8		30
Butyl acetate	101		98		70-130	3		30
Nitrobenzene	114		99		70-130	14		30
Nonane	87		101		70-130	15		30
n-Octane	108		107		70-130	1		30
trans-Decahydronaphthalene	101		108		70-130	7		30
n-Undecane	85		101		70-130	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-05 Batch: WG1510463-3 WG1510463-4								
Iodomethane	99		113		70-130	13		30
Ethyl methacrylate	102		93		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		89		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	88		98		70-130
Dibromofluoromethane	103		98		70-130

SEMIVOLATILES

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01
Client ID: EB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 14:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/11/21 05:57
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/10/21 09:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.0	JB	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01
Client ID: EB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 14:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	110		41-149

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01
Client ID: EB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 14:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/21 05:41
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/10/21 09:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.28		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.11		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.10	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.16		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Chrysene	0.10		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.11		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.15		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.10		ug/l	0.10	0.01	1
Pyrene	0.24		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.02	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01
Client ID: EB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 14:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		21-120
Phenol-d6	71		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	126	Q	10-120
4-Terphenyl-d14	106		41-149

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/21 15:29
Analyst: SZ
Percent Solids: 28%

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	470	60.	1
1,2,4-Trichlorobenzene	ND		ug/kg	580	67.	1
Hexachlorobenzene	ND		ug/kg	350	65.	1
Bis(2-chloroethyl)ether	ND		ug/kg	530	79.	1
2-Chloronaphthalene	ND		ug/kg	580	58.	1
1,2-Dichlorobenzene	ND		ug/kg	580	100	1
1,3-Dichlorobenzene	ND		ug/kg	580	100	1
1,4-Dichlorobenzene	ND		ug/kg	580	100	1
3,3'-Dichlorobenzidine	ND		ug/kg	580	160	1
2,4-Dinitrotoluene	ND		ug/kg	580	120	1
2,6-Dinitrotoluene	ND		ug/kg	580	100	1
Fluoranthene	ND		ug/kg	350	67.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	580	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	580	89.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	700	100	1
Bis(2-chloroethoxy)methane	ND		ug/kg	630	58.	1
Hexachlorobutadiene	ND		ug/kg	580	86.	1
Hexachlorocyclopentadiene	ND		ug/kg	1700	530	1
Hexachloroethane	ND		ug/kg	470	95.	1
Isophorone	ND		ug/kg	530	76.	1
Naphthalene	ND		ug/kg	580	71.	1
Nitrobenzene	ND		ug/kg	530	86.	1
NDPA/DPA	ND		ug/kg	470	66.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	580	90.	1
Bis(2-ethylhexyl)phthalate	10000		ug/kg	580	200	1
Butyl benzyl phthalate	460	J	ug/kg	580	150	1
Di-n-butylphthalate	ND		ug/kg	580	110	1
Di-n-octylphthalate	ND		ug/kg	580	200	1

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02

Date Collected: 06/04/21 10:30

Client ID: SP-1

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	580	54.	1
Dimethyl phthalate	ND		ug/kg	580	120	1
Benzo(a)anthracene	ND		ug/kg	350	66.	1
Benzo(a)pyrene	ND		ug/kg	470	140	1
Benzo(b)fluoranthene	ND		ug/kg	350	98.	1
Benzo(k)fluoranthene	ND		ug/kg	350	94.	1
Chrysene	ND		ug/kg	350	61.	1
Acenaphthylene	ND		ug/kg	470	90.	1
Anthracene	ND		ug/kg	350	110	1
Benzo(ghi)perylene	ND		ug/kg	470	69.	1
Fluorene	ND		ug/kg	580	57.	1
Phenanthrene	ND		ug/kg	350	71.	1
Dibenzo(a,h)anthracene	ND		ug/kg	350	68.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	470	82.	1
Pyrene	85	J	ug/kg	350	58.	1
Biphenyl	ND		ug/kg	1300	140	1
4-Chloroaniline	ND		ug/kg	580	110	1
2-Nitroaniline	ND		ug/kg	580	110	1
3-Nitroaniline	ND		ug/kg	580	110	1
4-Nitroaniline	ND		ug/kg	580	240	1
Dibenzofuran	ND		ug/kg	580	55.	1
2-Methylnaphthalene	ND		ug/kg	700	71.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	580	61.	1
Acetophenone	ND		ug/kg	580	72.	1
2,4,6-Trichlorophenol	ND		ug/kg	350	110	1
p-Chloro-m-cresol	ND		ug/kg	580	87.	1
2-Chlorophenol	ND		ug/kg	580	69.	1
2,4-Dichlorophenol	ND		ug/kg	530	94.	1
2,4-Dimethylphenol	ND		ug/kg	580	190	1
2-Nitrophenol	ND		ug/kg	1300	220	1
4-Nitrophenol	ND		ug/kg	820	240	1
2,4-Dinitrophenol	ND		ug/kg	2800	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	1500	280	1
Pentachlorophenol	ND		ug/kg	470	130	1
Phenol	ND		ug/kg	580	88.	1
2-Methylphenol	ND		ug/kg	580	91.	1
3-Methylphenol/4-Methylphenol	150	J	ug/kg	840	92.	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	580	110	1
Benzoic Acid	ND		ug/kg	1900	590	1
Benzyl Alcohol	ND		ug/kg	580	180	1
Carbazole	ND		ug/kg	580	57.	1
1,4-Dioxane	ND		ug/kg	88	27.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	40		10-136
4-Terphenyl-d14	31		18-120

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03 D2
Client ID: SP-2
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 12:25
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/11/21 09:51
Analyst: JG
Percent Solids: 37%

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS - Westborough Lab

Bis(2-ethylhexyl)phthalate	58000		ug/kg	4400	1500	10
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Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03 D
Client ID: SP-2
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 12:25
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/21 18:57
Analyst: JG
Percent Solids: 37%

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	700	90.	2
1,2,4-Trichlorobenzene	ND		ug/kg	870	100	2
Hexachlorobenzene	ND		ug/kg	520	98.	2
Bis(2-chloroethyl)ether	ND		ug/kg	780	120	2
2-Chloronaphthalene	ND		ug/kg	870	86.	2
1,2-Dichlorobenzene	ND		ug/kg	870	160	2
1,3-Dichlorobenzene	ND		ug/kg	870	150	2
1,4-Dichlorobenzene	ND		ug/kg	870	150	2
3,3'-Dichlorobenzidine	ND		ug/kg	870	230	2
2,4-Dinitrotoluene	ND		ug/kg	870	170	2
2,6-Dinitrotoluene	ND		ug/kg	870	150	2
Fluoranthene	220	J	ug/kg	520	100	2
4-Chlorophenyl phenyl ether	ND		ug/kg	870	93.	2
4-Bromophenyl phenyl ether	ND		ug/kg	870	130	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	150	2
Bis(2-chloroethoxy)methane	ND		ug/kg	940	87.	2
Hexachlorobutadiene	ND		ug/kg	870	130	2
Hexachlorocyclopentadiene	ND		ug/kg	2500	790	2
Hexachloroethane	ND		ug/kg	700	140	2
Isophorone	ND		ug/kg	780	110	2
Naphthalene	ND		ug/kg	870	110	2
Nitrobenzene	ND		ug/kg	780	130	2
NDPA/DPA	ND		ug/kg	700	99.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	870	130	2
Bis(2-ethylhexyl)phthalate	64000	E	ug/kg	870	300	2
Butyl benzyl phthalate	2500		ug/kg	870	220	2
Di-n-butylphthalate	ND		ug/kg	870	160	2
Di-n-octylphthalate	ND		ug/kg	870	300	2

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03 D

Date Collected: 06/04/21 12:25

Client ID: SP-2

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	870	81.	2
Dimethyl phthalate	ND		ug/kg	870	180	2
Benzo(a)anthracene	110	J	ug/kg	520	98.	2
Benzo(a)pyrene	ND		ug/kg	700	210	2
Benzo(b)fluoranthene	210	J	ug/kg	520	150	2
Benzo(k)fluoranthene	ND		ug/kg	520	140	2
Chrysene	210	J	ug/kg	520	91.	2
Acenaphthylene	ND		ug/kg	700	130	2
Anthracene	ND		ug/kg	520	170	2
Benzo(ghi)perylene	320	J	ug/kg	700	100	2
Fluorene	ND		ug/kg	870	85.	2
Phenanthrene	110	J	ug/kg	520	110	2
Dibenzo(a,h)anthracene	ND		ug/kg	520	100	2
Indeno(1,2,3-cd)pyrene	190	J	ug/kg	700	120	2
Pyrene	380	J	ug/kg	520	87.	2
Biphenyl	ND		ug/kg	2000	200	2
4-Chloroaniline	ND		ug/kg	870	160	2
2-Nitroaniline	ND		ug/kg	870	170	2
3-Nitroaniline	ND		ug/kg	870	160	2
4-Nitroaniline	ND		ug/kg	870	360	2
Dibenzofuran	ND		ug/kg	870	82.	2
2-Methylnaphthalene	ND		ug/kg	1000	100	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	870	91.	2
Acetophenone	260	J	ug/kg	870	110	2
2,4,6-Trichlorophenol	ND		ug/kg	520	160	2
p-Chloro-m-cresol	ND		ug/kg	870	130	2
2-Chlorophenol	ND		ug/kg	870	100	2
2,4-Dichlorophenol	ND		ug/kg	780	140	2
2,4-Dimethylphenol	ND		ug/kg	870	290	2
2-Nitrophenol	ND		ug/kg	1900	330	2
4-Nitrophenol	ND		ug/kg	1200	360	2
2,4-Dinitrophenol	ND		ug/kg	4200	410	2
4,6-Dinitro-o-cresol	ND		ug/kg	2300	420	2
Pentachlorophenol	ND		ug/kg	700	190	2
Phenol	ND		ug/kg	870	130	2
2-Methylphenol	ND		ug/kg	870	140	2
3-Methylphenol/4-Methylphenol	290	J	ug/kg	1200	140	2

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-03 D
Client ID: SP-2
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 12:25
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	870	170	2
Benzoic Acid	ND		ug/kg	2800	880	2
Benzyl Alcohol	ND		ug/kg	870	270	2
Carbazole	ND		ug/kg	870	85.	2
1,4-Dioxane	ND		ug/kg	130	40.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		25-120
Phenol-d6	26		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	33		10-136
4-Terphenyl-d14	37		18-120

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-04
Client ID: SP-3
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:58
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/21 13:46
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-04
Client ID: SP-3
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:58
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-04
Client ID: SP-3
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:58
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	68		18-120

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-05
Client ID: SP-4
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/21 15:52
Analyst: SZ
Percent Solids: 62%

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	210	28.	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	30.	1
Hexachlorobenzene	ND		ug/kg	160	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	240	36.	1
2-Chloronaphthalene	ND		ug/kg	270	26.	1
1,2-Dichlorobenzene	ND		ug/kg	270	48.	1
1,3-Dichlorobenzene	ND		ug/kg	270	46.	1
1,4-Dichlorobenzene	ND		ug/kg	270	47.	1
3,3'-Dichlorobenzidine	ND		ug/kg	270	71.	1
2,4-Dinitrotoluene	ND		ug/kg	270	53.	1
2,6-Dinitrotoluene	ND		ug/kg	270	46.	1
Fluoranthene	32	J	ug/kg	160	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	270	28.	1
4-Bromophenyl phenyl ether	ND		ug/kg	270	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	320	46.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	290	27.	1
Hexachlorobutadiene	ND		ug/kg	270	39.	1
Hexachlorocyclopentadiene	ND		ug/kg	760	240	1
Hexachloroethane	ND		ug/kg	210	43.	1
Isophorone	ND		ug/kg	240	35.	1
Naphthalene	ND		ug/kg	270	32.	1
Nitrobenzene	ND		ug/kg	240	40.	1
NDPA/DPA	ND		ug/kg	210	30.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	270	41.	1
Bis(2-ethylhexyl)phthalate	980		ug/kg	270	92.	1
Butyl benzyl phthalate	ND		ug/kg	270	67.	1
Di-n-butylphthalate	ND		ug/kg	270	51.	1
Di-n-octylphthalate	ND		ug/kg	270	91.	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-05
Client ID: SP-4
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	270	25.	1
Dimethyl phthalate	ND		ug/kg	270	56.	1
Benzo(a)anthracene	ND		ug/kg	160	30.	1
Benzo(a)pyrene	ND		ug/kg	210	65.	1
Benzo(b)fluoranthene	72	J	ug/kg	160	45.	1
Benzo(k)fluoranthene	ND		ug/kg	160	43.	1
Chrysene	52	J	ug/kg	160	28.	1
Acenaphthylene	ND		ug/kg	210	41.	1
Anthracene	ND		ug/kg	160	52.	1
Benzo(ghi)perylene	ND		ug/kg	210	31.	1
Fluorene	ND		ug/kg	270	26.	1
Phenanthrene	ND		ug/kg	160	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	160	31.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	210	37.	1
Pyrene	34	J	ug/kg	160	26.	1
Biphenyl	ND		ug/kg	610	62.	1
4-Chloroaniline	ND		ug/kg	270	48.	1
2-Nitroaniline	ND		ug/kg	270	51.	1
3-Nitroaniline	ND		ug/kg	270	50.	1
4-Nitroaniline	ND		ug/kg	270	110	1
Dibenzofuran	ND		ug/kg	270	25.	1
2-Methylnaphthalene	ND		ug/kg	320	32.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	270	28.	1
Acetophenone	ND		ug/kg	270	33.	1
2,4,6-Trichlorophenol	ND		ug/kg	160	51.	1
p-Chloro-m-cresol	ND		ug/kg	270	40.	1
2-Chlorophenol	ND		ug/kg	270	32.	1
2,4-Dichlorophenol	ND		ug/kg	240	43.	1
2,4-Dimethylphenol	ND		ug/kg	270	88.	1
2-Nitrophenol	ND		ug/kg	580	100	1
4-Nitrophenol	ND		ug/kg	370	110	1
2,4-Dinitrophenol	ND		ug/kg	1300	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	690	130	1
Pentachlorophenol	ND		ug/kg	210	59.	1
Phenol	ND		ug/kg	270	40.	1
2-Methylphenol	ND		ug/kg	270	41.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	380	42.	1

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-05
Client ID: SP-4
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 11:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	270	51.	1
Benzoic Acid	ND		ug/kg	860	270	1
Benzyl Alcohol	ND		ug/kg	270	82.	1
Carbazole	ND		ug/kg	270	26.	1
1,4-Dioxane	ND		ug/kg	40	12.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	42		18-120

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-06 D
Client ID: #14
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 13:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/10/21 19:21
Analyst: JG
Percent Solids: 24%

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	5400	700	10
1,2,4-Trichlorobenzene	ND		ug/kg	6800	780	10
Hexachlorobenzene	ND		ug/kg	4100	760	10
Bis(2-chloroethyl)ether	ND		ug/kg	6100	920	10
2-Chloronaphthalene	ND		ug/kg	6800	670	10
1,2-Dichlorobenzene	ND		ug/kg	6800	1200	10
1,3-Dichlorobenzene	ND		ug/kg	6800	1200	10
1,4-Dichlorobenzene	2000	J	ug/kg	6800	1200	10
3,3'-Dichlorobenzidine	ND		ug/kg	6800	1800	10
2,4-Dinitrotoluene	ND		ug/kg	6800	1400	10
2,6-Dinitrotoluene	ND		ug/kg	6800	1200	10
Fluoranthene	ND		ug/kg	4100	780	10
4-Chlorophenyl phenyl ether	ND		ug/kg	6800	730	10
4-Bromophenyl phenyl ether	ND		ug/kg	6800	1000	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	8100	1200	10
Bis(2-chloroethoxy)methane	ND		ug/kg	7300	680	10
Hexachlorobutadiene	ND		ug/kg	6800	990	10
Hexachlorocyclopentadiene	ND		ug/kg	19000	6100	10
Hexachloroethane	ND		ug/kg	5400	1100	10
Isophorone	ND		ug/kg	6100	880	10
Naphthalene	ND		ug/kg	6800	830	10
Nitrobenzene	ND		ug/kg	6100	1000	10
NDPA/DPA	ND		ug/kg	5400	770	10
n-Nitrosodi-n-propylamine	ND		ug/kg	6800	1000	10
Bis(2-ethylhexyl)phthalate	110000		ug/kg	6800	2300	10
Butyl benzyl phthalate	7900		ug/kg	6800	1700	10
Di-n-butylphthalate	ND		ug/kg	6800	1300	10
Di-n-octylphthalate	ND		ug/kg	6800	2300	10

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-06 D

Date Collected: 06/04/21 13:35

Client ID: #14

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	6800	630	10
Dimethyl phthalate	ND		ug/kg	6800	1400	10
Benzo(a)anthracene	ND		ug/kg	4100	760	10
Benzo(a)pyrene	ND		ug/kg	5400	1600	10
Benzo(b)fluoranthene	ND		ug/kg	4100	1100	10
Benzo(k)fluoranthene	ND		ug/kg	4100	1100	10
Chrysene	ND		ug/kg	4100	700	10
Acenaphthylene	ND		ug/kg	5400	1000	10
Anthracene	ND		ug/kg	4100	1300	10
Benzo(ghi)perylene	ND		ug/kg	5400	800	10
Fluorene	ND		ug/kg	6800	660	10
Phenanthrene	ND		ug/kg	4100	820	10
Dibenzo(a,h)anthracene	ND		ug/kg	4100	780	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	5400	950	10
Pyrene	ND		ug/kg	4100	670	10
Biphenyl	ND		ug/kg	15000	1600	10
4-Chloroaniline	ND		ug/kg	6800	1200	10
2-Nitroaniline	ND		ug/kg	6800	1300	10
3-Nitroaniline	ND		ug/kg	6800	1300	10
4-Nitroaniline	ND		ug/kg	6800	2800	10
Dibenzofuran	ND		ug/kg	6800	640	10
2-Methylnaphthalene	ND		ug/kg	8100	820	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	6800	710	10
Acetophenone	1000	J	ug/kg	6800	840	10
2,4,6-Trichlorophenol	ND		ug/kg	4100	1300	10
p-Chloro-m-cresol	ND		ug/kg	6800	1000	10
2-Chlorophenol	ND		ug/kg	6800	800	10
2,4-Dichlorophenol	ND		ug/kg	6100	1100	10
2,4-Dimethylphenol	ND		ug/kg	6800	2200	10
2-Nitrophenol	ND		ug/kg	15000	2600	10
4-Nitrophenol	ND		ug/kg	9500	2800	10
2,4-Dinitrophenol	ND		ug/kg	32000	3200	10
4,6-Dinitro-o-cresol	ND		ug/kg	18000	3200	10
Pentachlorophenol	ND		ug/kg	5400	1500	10
Phenol	ND		ug/kg	6800	1000	10
2-Methylphenol	ND		ug/kg	6800	1000	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	9800	1100	10

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-06 D
Client ID: #14
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 13:35
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	6800	1300	10
Benzoic Acid	ND		ug/kg	22000	6900	10
Benzyl Alcohol	ND		ug/kg	6800	2100	10
Carbazole	ND		ug/kg	6800	660	10
1,4-Dioxane	ND		ug/kg	1000	310	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	38		10-136
4-Terphenyl-d14	46		18-120

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/21 21:40
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/09/21 15:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1509869-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	4.9		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/21 21:40
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/09/21 15:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1509869-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/21 21:40
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/09/21 15:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1509869-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	112		41-149

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/21 10:51
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/09/21 15:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1509871-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/21 10:51
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/09/21 15:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1509871-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	88		41-149

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/21 12:40
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG1510070-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/21 12:40
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG1510070-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/21 12:40
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-06 Batch: WG1510070-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	82		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1509869-2 WG1509869-3								
Acenaphthene	75		84		37-111	11		30
1,2,4-Trichlorobenzene	69		74		39-98	7		30
Hexachlorobenzene	82		89		40-140	8		30
Bis(2-chloroethyl)ether	66		75		40-140	13		30
2-Chloronaphthalene	79		84		40-140	6		30
1,2-Dichlorobenzene	69		76		40-140	10		30
1,3-Dichlorobenzene	64		76		40-140	17		30
1,4-Dichlorobenzene	69		74		36-97	7		30
3,3'-Dichlorobenzidine	87		92		40-140	6		30
2,4-Dinitrotoluene	89		95		48-143	7		30
2,6-Dinitrotoluene	90		92		40-140	2		30
Fluoranthene	88		95		40-140	8		30
4-Chlorophenyl phenyl ether	77		85		40-140	10		30
4-Bromophenyl phenyl ether	81		90		40-140	11		30
Bis(2-chloroisopropyl)ether	61		66		40-140	8		30
Bis(2-chloroethoxy)methane	76		77		40-140	1		30
Hexachlorobutadiene	66		82		40-140	22		30
Hexachlorocyclopentadiene	81		88		40-140	8		30
Hexachloroethane	65		75		40-140	14		30
Isophorone	74		77		40-140	4		30
Naphthalene	73		82		40-140	12		30
Nitrobenzene	80		88		40-140	10		30
NDPA/DPA	83		90		40-140	8		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1509869-2 WG1509869-3								
n-Nitrosodi-n-propylamine	79		82		29-132	4		30
Bis(2-ethylhexyl)phthalate	127		120		40-140	6		30
Butyl benzyl phthalate	106		109		40-140	3		30
Di-n-butylphthalate	94		97		40-140	3		30
Di-n-octylphthalate	112		119		40-140	6		30
Diethyl phthalate	86		92		40-140	7		30
Dimethyl phthalate	93		95		40-140	2		30
Benzo(a)anthracene	93		99		40-140	6		30
Benzo(a)pyrene	103		116		40-140	12		30
Benzo(b)fluoranthene	94		108		40-140	14		30
Benzo(k)fluoranthene	92		106		40-140	14		30
Chrysene	84		92		40-140	9		30
Acenaphthylene	89		95		45-123	7		30
Anthracene	90		98		40-140	9		30
Benzo(ghi)perylene	90		105		40-140	15		30
Fluorene	79		88		40-140	11		30
Phenanthrene	87		95		40-140	9		30
Dibenzo(a,h)anthracene	92		105		40-140	13		30
Indeno(1,2,3-cd)pyrene	92		104		40-140	12		30
Pyrene	86		94		26-127	9		30
Biphenyl	81		88		40-140	8		30
4-Chloroaniline	48		53		40-140	10		30
2-Nitroaniline	96		102		52-143	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1509869-2 WG1509869-3								
3-Nitroaniline	81		84		25-145	4		30
4-Nitroaniline	83		88		51-143	6		30
Dibenzofuran	78		87		40-140	11		30
2-Methylnaphthalene	77		86		40-140	11		30
1,2,4,5-Tetrachlorobenzene	77		85		2-134	10		30
Acetophenone	74		80		39-129	8		30
2,4,6-Trichlorophenol	93		100		30-130	7		30
p-Chloro-m-cresol	101	Q	101	Q	23-97	0		30
2-Chlorophenol	78		86		27-123	10		30
2,4-Dichlorophenol	91		93		30-130	2		30
2,4-Dimethylphenol	81		89		30-130	9		30
2-Nitrophenol	104		110		30-130	6		30
4-Nitrophenol	74		84	Q	10-80	13		30
2,4-Dinitrophenol	88		98		20-130	11		30
4,6-Dinitro-o-cresol	102		107		20-164	5		30
Pentachlorophenol	89		96		9-103	8		30
Phenol	57		63		12-110	10		30
2-Methylphenol	77		84		30-130	9		30
3-Methylphenol/4-Methylphenol	82		88		30-130	7		30
2,4,5-Trichlorophenol	96		99		30-130	3		30
Benzoic Acid	50		64		10-164	25		30
Benzyl Alcohol	80		84		26-116	5		30
Carbazole	90		97		55-144	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1509869-2 WG1509869-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		87		21-120
Phenol-d6	66		73		10-120
Nitrobenzene-d5	93		104		23-120
2-Fluorobiphenyl	94		100		15-120
2,4,6-Tribromophenol	112		117		10-120
4-Terphenyl-d14	106		110		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1509871-2 WG1509871-3								
Acenaphthene	98		91		40-140	7		40
2-Chloronaphthalene	94		87		40-140	8		40
Fluoranthene	106		102		40-140	4		40
Hexachlorobutadiene	83		74		40-140	11		40
Naphthalene	89		81		40-140	9		40
Benzo(a)anthracene	106		103		40-140	3		40
Benzo(a)pyrene	115		109		40-140	5		40
Benzo(b)fluoranthene	114		104		40-140	9		40
Benzo(k)fluoranthene	120		107		40-140	11		40
Chrysene	106		100		40-140	6		40
Acenaphthylene	94		87		40-140	8		40
Anthracene	108		104		40-140	4		40
Benzo(ghi)perylene	114		110		40-140	4		40
Fluorene	103		98		40-140	5		40
Phenanthrene	100		96		40-140	4		40
Dibenzo(a,h)anthracene	123		119		40-140	3		40
Indeno(1,2,3-cd)pyrene	122		117		40-140	4		40
Pyrene	104		100		40-140	4		40
2-Methylnaphthalene	95		88		40-140	8		40
Pentachlorophenol	115		124		40-140	8		40
Hexachlorobenzene	100		95		40-140	5		40
Hexachloroethane	85		76		40-140	11		40

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1509871-2 WG1509871-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		78		21-120
Phenol-d6	70		65		10-120
Nitrobenzene-d5	104		93		23-120
2-Fluorobiphenyl	100		92		15-120
2,4,6-Tribromophenol	157	Q	163	Q	10-120
4-Terphenyl-d14	119		114		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG1510070-2 WG1510070-3								
Acenaphthene	69		72		31-137	4		50
1,2,4-Trichlorobenzene	71		78		38-107	9		50
Hexachlorobenzene	72		76		40-140	5		50
Bis(2-chloroethyl)ether	66		71		40-140	7		50
2-Chloronaphthalene	73		76		40-140	4		50
1,2-Dichlorobenzene	67		72		40-140	7		50
1,3-Dichlorobenzene	65		70		40-140	7		50
1,4-Dichlorobenzene	64		71		28-104	10		50
3,3'-Dichlorobenzidine	66		69		40-140	4		50
2,4-Dinitrotoluene	79		84		40-132	6		50
2,6-Dinitrotoluene	76		80		40-140	5		50
Fluoranthene	70		76		40-140	8		50
4-Chlorophenyl phenyl ether	71		76		40-140	7		50
4-Bromophenyl phenyl ether	73		75		40-140	3		50
Bis(2-chloroisopropyl)ether	96		103		40-140	7		50
Bis(2-chloroethoxy)methane	76		80		40-117	5		50
Hexachlorobutadiene	70		74		40-140	6		50
Hexachlorocyclopentadiene	54		56		40-140	4		50
Hexachloroethane	71		76		40-140	7		50
Isophorone	87		94		40-140	8		50
Naphthalene	68		70		40-140	3		50
Nitrobenzene	83		87		40-140	5		50
NDPA/DPA	73		77		36-157	5		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG1510070-2 WG1510070-3								
n-Nitrosodi-n-propylamine	84		90		32-121	7		50
Bis(2-ethylhexyl)phthalate	92		98		40-140	6		50
Butyl benzyl phthalate	82		87		40-140	6		50
Di-n-butylphthalate	86		91		40-140	6		50
Di-n-octylphthalate	83		87		40-140	5		50
Diethyl phthalate	78		82		40-140	5		50
Dimethyl phthalate	80		84		40-140	5		50
Benzo(a)anthracene	75		79		40-140	5		50
Benzo(a)pyrene	72		77		40-140	7		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	71		78		40-140	9		50
Chrysene	72		75		40-140	4		50
Acenaphthylene	77		81		40-140	5		50
Anthracene	72		77		40-140	7		50
Benzo(ghi)perylene	69		75		40-140	8		50
Fluorene	68		72		40-140	6		50
Phenanthrene	68		74		40-140	8		50
Dibenzo(a,h)anthracene	70		77		40-140	10		50
Indeno(1,2,3-cd)pyrene	70		77		40-140	10		50
Pyrene	69		74		35-142	7		50
Biphenyl	70		73		37-127	4		50
4-Chloroaniline	77		76		40-140	1		50
2-Nitroaniline	86		94		47-134	9		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG1510070-2 WG1510070-3								
3-Nitroaniline	69		70		26-129	1		50
4-Nitroaniline	76		78		41-125	3		50
Dibenzofuran	71		74		40-140	4		50
2-Methylnaphthalene	71		76		40-140	7		50
1,2,4,5-Tetrachlorobenzene	67		71		40-117	6		50
Acetophenone	72		79		14-144	9		50
2,4,6-Trichlorophenol	76		81		30-130	6		50
p-Chloro-m-cresol	79		85		26-103	7		50
2-Chlorophenol	71		76		25-102	7		50
2,4-Dichlorophenol	78		85		30-130	9		50
2,4-Dimethylphenol	80		88		30-130	10		50
2-Nitrophenol	83		88		30-130	6		50
4-Nitrophenol	82		89		11-114	8		50
2,4-Dinitrophenol	47		55		4-130	16		50
4,6-Dinitro-o-cresol	64		66		10-130	3		50
Pentachlorophenol	52		56		17-109	7		50
Phenol	69		74		26-90	7		50
2-Methylphenol	77		83		30-130.	8		50
3-Methylphenol/4-Methylphenol	75		82		30-130	9		50
2,4,5-Trichlorophenol	77		82		30-130	6		50
Benzoic Acid	14		26		10-110	60	Q	50
Benzyl Alcohol	83		91		40-140	9		50
Carbazole	71		76		54-128	7		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** OCEAN STATE JOB LOT**Lab Number:** L2130159**Project Number:** 30088967.01**Report Date:** 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-06 Batch: WG1510070-2 WG1510070-3								
1,4-Dioxane	49		51		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		74		25-120
Phenol-d6	73		79		10-120
Nitrobenzene-d5	81		86		23-120
2-Fluorobiphenyl	73		78		30-120
2,4,6-Tribromophenol	75		80		10-136
4-Terphenyl-d14	70		75		18-120

PESTICIDES

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01
Client ID: EB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 14:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/10/21 13:30
Analyst: JMC

Extraction Method: EPA 3510C
Extraction Date: 06/10/21 09:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01
Client ID: EB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 14:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-01
Client ID: EB060421
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 14:00
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 06/10/21 10:55
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 06/09/21 01:42

Methylation Date: 06/09/21 18:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	79		30-150	B

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/10/21 12:06
Analyst: JMC
Percent Solids: 28%
Methylation Date: 06/09/21 18:39

Extraction Method: EPA 8151A
Extraction Date: 06/09/21 02:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	595	37.5	1	A
2,4,5-T	ND		ug/kg	595	18.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	595	15.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	74		30-150	B

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02 D
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/21 10:21
Analyst: SDC
Percent Solids: 28%

Extraction Method: EPA 3546
Extraction Date: 06/10/21 01:41
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	55.7	10.9	10	A
Lindane	ND		ug/kg	23.2	10.4	10	A
Alpha-BHC	ND		ug/kg	23.2	6.59	10	A
Beta-BHC	ND		ug/kg	55.7	21.1	10	A
Heptachlor	ND		ug/kg	27.8	12.5	10	A
Aldrin	ND		ug/kg	55.7	19.6	10	A
Heptachlor epoxide	ND		ug/kg	104	31.3	10	A
Endrin	ND		ug/kg	23.2	9.51	10	A
Endrin aldehyde	ND		ug/kg	69.6	24.4	10	A
Endrin ketone	ND		ug/kg	55.7	14.3	10	A
Dieldrin	ND		ug/kg	34.8	17.4	10	A
4,4'-DDE	ND		ug/kg	55.7	12.9	10	A
4,4'-DDD	ND		ug/kg	55.7	19.8	10	A
4,4'-DDT	ND		ug/kg	104	44.8	10	A
Endosulfan I	ND		ug/kg	55.7	13.2	10	A
Endosulfan II	ND		ug/kg	55.7	18.6	10	A
Endosulfan sulfate	ND		ug/kg	23.2	11.0	10	A
Methoxychlor	ND		ug/kg	104	32.5	10	A
Toxaphene	ND		ug/kg	1040	292.	10	A
cis-Chlordane	ND		ug/kg	69.6	19.4	10	A
trans-Chlordane	ND		ug/kg	69.6	18.4	10	A
Chlordane	ND		ug/kg	464	184.	10	A

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

SAMPLE RESULTS

Lab ID: L2130159-02 D
Client ID: SP-1
Sample Location: CENTEREACH, NY

Date Collected: 06/04/21 10:30
Date Received: 06/04/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	21	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/10/21 09:41
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 06/08/21 15:38

Methylation Date: 06/09/21 18:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02 Batch: WG1509248-1						
2,4-D	ND		ug/kg	161	10.2	A
2,4,5-T	ND		ug/kg	161	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	161	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	60		30-150	B

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/10/21 10:00
Analyst: JMC

Extraction Method: EPA 8151A
Extraction Date: 06/08/21 17:00

Methylation Date: 06/09/21 18:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1509302-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	74		30-150	B

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/09/21 21:38
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 06/09/21 03:11
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1509425-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.596	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.884	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.687	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.982	0.491	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.525	A
Endosulfan sulfate	ND		ug/kg	0.654	0.312	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.25	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	13.1	5.20	A

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/09/21 21:38
 Analyst: SDC

Extraction Method: EPA 3546
 Extraction Date: 06/09/21 03:11
 Cleanup Method: EPA 3620B
 Cleanup Date: 06/09/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1509425-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/10/21 12:33
Analyst: JMC

Extraction Method: EPA 3510C
Extraction Date: 06/09/21 11:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1509696-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/10/21 12:33
 Analyst: JMC

Extraction Method: EPA 3510C
 Extraction Date: 06/09/21 11:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1509696-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	55		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1509248-2 WG1509248-3									
2,4-D	68		78		30-150	14		30	A
2,4,5-T	63		67		30-150	6		30	A
2,4,5-TP (Silvex)	63		66		30-150	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	60		66		30-150	A
DCAA	64		68		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1509302-2 WG1509302-3									
2,4-D	78		78		30-150	0		25	A
2,4,5-T	75		76		30-150	1		25	A
2,4,5-TP (Silvex)	74		74		30-150	0		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	79		78		30-150	A
DCAA	82		82		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1509425-2 WG1509425-3									
Delta-BHC	92		96		30-150	4		30	A
Lindane	91		94		30-150	3		30	A
Alpha-BHC	96		99		30-150	3		30	A
Beta-BHC	80		82		30-150	2		30	A
Heptachlor	88		90		30-150	2		30	A
Aldrin	89		92		30-150	3		30	A
Heptachlor epoxide	87		89		30-150	2		30	A
Endrin	94		97		30-150	3		30	A
Endrin aldehyde	71		76		30-150	7		30	A
Endrin ketone	83		85		30-150	2		30	A
Dieldrin	98		101		30-150	3		30	A
4,4'-DDE	93		96		30-150	3		30	A
4,4'-DDD	95		98		30-150	3		30	A
4,4'-DDT	84		85		30-150	1		30	A
Endosulfan I	85		88		30-150	3		30	A
Endosulfan II	87		90		30-150	3		30	A
Endosulfan sulfate	72		71		30-150	1		30	A
Methoxychlor	70		71		30-150	1		30	A
cis-Chlordane	72		76		30-150	5		30	A
trans-Chlordane	94		97		30-150	3		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1509425-2 WG1509425-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		86		30-150	A
Decachlorobiphenyl	98		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		82		30-150	B
Decachlorobiphenyl	106		108		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1509696-2 WG1509696-3									
Delta-BHC	54		56		30-150	3		20	A
Lindane	55		59		30-150	7		20	A
Alpha-BHC	56		61		30-150	7		20	A
Beta-BHC	57		59		30-150	3		20	A
Heptachlor	54		59		30-150	8		20	A
Aldrin	51		57		30-150	11		20	A
Heptachlor epoxide	51		57		30-150	11		20	A
Endrin	54		59		30-150	8		20	A
Endrin aldehyde	38		43		30-150	11		20	A
Endrin ketone	54		58		30-150	7		20	A
Dieldrin	56		61		30-150	7		20	A
4,4'-DDE	53		57		30-150	7		20	A
4,4'-DDD	56		59		30-150	6		20	A
4,4'-DDT	55		57		30-150	4		20	A
Endosulfan I	51		55		30-150	7		20	A
Endosulfan II	54		57		30-150	6		20	A
Endosulfan sulfate	48		52		30-150	7		20	A
Methoxychlor	57		61		30-150	7		20	A
cis-Chlordane	48		51		30-150	7		20	A
trans-Chlordane	54		58		30-150	8		20	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1509696-2 WG1509696-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		56		30-150	A
Decachlorobiphenyl	52		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		57		30-150	B
Decachlorobiphenyl	49		59		30-150	B

METALS

Project Name: OCEAN STATE JOB LOT**Lab Number:** L2130159**Project Number:** 30088967.01**Report Date:** 06/11/21**SAMPLE RESULTS**

Lab ID: L2130159-01

Date Collected: 06/04/21 14:00

Client ID: EB060421

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.106		mg/l	0.100	0.032	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Antimony, Total	ND		mg/l	0.050	0.007	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Arsenic, Total	ND		mg/l	0.005	0.002	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Barium, Total	0.005	J	mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Beryllium, Total	ND		mg/l	0.005	0.001	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Cadmium, Total	ND		mg/l	0.005	0.001	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Calcium, Total	0.527		mg/l	0.100	0.035	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Chromium, Total	ND		mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Cobalt, Total	ND		mg/l	0.020	0.002	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Copper, Total	0.003	J	mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Iron, Total	0.290		mg/l	0.050	0.009	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Lead, Total	0.008	J	mg/l	0.010	0.003	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Magnesium, Total	0.094	J	mg/l	0.100	0.015	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Manganese, Total	0.006	J	mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/09/21 08:00	06/09/21 13:08	EPA 7470A	1,7470A	OU
Nickel, Total	ND		mg/l	0.025	0.002	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Potassium, Total	ND		mg/l	2.50	0.237	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Selenium, Total	ND		mg/l	0.010	0.004	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Silver, Total	ND		mg/l	0.007	0.003	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Sodium, Total	ND		mg/l	2.00	0.120	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Thallium, Total	ND		mg/l	0.020	0.003	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Vanadium, Total	ND		mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD
Zinc, Total	ND		mg/l	0.050	0.002	1	06/09/21 04:44	06/10/21 11:31	EPA 3005A	1,6010D	GD



Project Name: OCEAN STATE JOB LOT**Lab Number:** L2130159**Project Number:** 30088967.01**Report Date:** 06/11/21**SAMPLE RESULTS**

Lab ID: L2130159-02

Date Collected: 06/04/21 10:30

Client ID: SP-1

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 28%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2960		mg/kg	27.4	7.40	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Antimony, Total	1.21	J	mg/kg	13.7	1.04	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Arsenic, Total	5.35		mg/kg	2.74	0.570	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Barium, Total	38.5		mg/kg	2.74	0.477	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Beryllium, Total	0.219	J	mg/kg	1.37	0.091	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Cadmium, Total	3.56		mg/kg	2.74	0.269	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Calcium, Total	4040		mg/kg	27.4	9.60	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Chromium, Total	25.4		mg/kg	2.74	0.263	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Cobalt, Total	0.987	J	mg/kg	5.48	0.455	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Copper, Total	901		mg/kg	2.74	0.708	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Iron, Total	5880		mg/kg	13.7	2.48	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Lead, Total	33.7		mg/kg	13.7	0.735	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Magnesium, Total	1010		mg/kg	27.4	4.22	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Manganese, Total	20.1		mg/kg	2.74	0.436	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.240	0.156	1	06/09/21 22:00	06/10/21 17:05	EPA 7471B	1,7471B	OU
Nickel, Total	10.1		mg/kg	6.86	0.664	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Potassium, Total	164	J	mg/kg	686	39.5	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Selenium, Total	5.81		mg/kg	5.48	0.708	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Silver, Total	18.5		mg/kg	2.74	0.776	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Sodium, Total	5760		mg/kg	548	8.64	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	5.48	0.864	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Vanadium, Total	11.2		mg/kg	2.74	0.557	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV
Zinc, Total	1750		mg/kg	13.7	0.804	2	06/09/21 21:17	06/10/21 19:45	EPA 3050B	1,6010D	BV



Project Name: OCEAN STATE JOB LOT**Lab Number:** L2130159**Project Number:** 30088967.01**Report Date:** 06/11/21**SAMPLE RESULTS**

Lab ID: L2130159-03

Date Collected: 06/04/21 12:25

Client ID: SP-2

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 37%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5110		mg/kg	21.1	5.70	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Antimony, Total	2.30	J	mg/kg	10.6	0.803	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Arsenic, Total	11.5		mg/kg	2.11	0.439	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Barium, Total	50.7		mg/kg	2.11	0.368	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Beryllium, Total	0.211	J	mg/kg	1.06	0.070	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Cadmium, Total	5.01		mg/kg	2.11	0.207	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Calcium, Total	14800		mg/kg	21.1	7.39	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Chromium, Total	52.9		mg/kg	2.11	0.203	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Cobalt, Total	1.31	J	mg/kg	4.22	0.351	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Copper, Total	1470		mg/kg	2.11	0.545	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Iron, Total	6900		mg/kg	10.6	1.91	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Lead, Total	63.4		mg/kg	10.6	0.566	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Magnesium, Total	1100		mg/kg	21.1	3.25	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Manganese, Total	24.0		mg/kg	2.11	0.336	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Mercury, Total	0.576		mg/kg	0.187	0.122	1	06/09/21 22:00	06/10/21 17:08	EPA 7471B	1,7471B	OU
Nickel, Total	13.0		mg/kg	5.28	0.511	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Potassium, Total	208	J	mg/kg	528	30.4	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Selenium, Total	8.89		mg/kg	4.22	0.545	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Silver, Total	48.4		mg/kg	2.11	0.598	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Sodium, Total	648		mg/kg	422	6.65	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	4.22	0.665	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Vanadium, Total	18.4		mg/kg	2.11	0.429	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV
Zinc, Total	1870		mg/kg	10.6	0.619	2	06/09/21 21:17	06/10/21 19:50	EPA 3050B	1,6010D	BV



Project Name: OCEAN STATE JOB LOT**Lab Number:** L2130159**Project Number:** 30088967.01**Report Date:** 06/11/21**SAMPLE RESULTS**

Lab ID: L2130159-04

Date Collected: 06/04/21 11:58

Client ID: SP-3

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	889		mg/kg	8.06	2.18	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.03	0.306	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Arsenic, Total	0.266	J	mg/kg	0.806	0.168	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Barium, Total	4.11		mg/kg	0.806	0.140	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Beryllium, Total	0.081	J	mg/kg	0.403	0.027	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.806	0.079	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Calcium, Total	103		mg/kg	8.06	2.82	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Chromium, Total	2.17		mg/kg	0.806	0.077	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Cobalt, Total	0.363	J	mg/kg	1.61	0.134	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Copper, Total	6.17		mg/kg	0.806	0.208	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Iron, Total	1210		mg/kg	4.03	0.728	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Lead, Total	1.21	J	mg/kg	4.03	0.216	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Magnesium, Total	202		mg/kg	8.06	1.24	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Manganese, Total	9.80		mg/kg	0.806	0.128	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.071	0.046	1	06/09/21 22:00	06/10/21 17:11	EPA 7471B	1,7471B	OU
Nickel, Total	1.23	J	mg/kg	2.02	0.195	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Potassium, Total	84.2	J	mg/kg	202	11.6	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Selenium, Total	0.387	J	mg/kg	1.61	0.208	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.806	0.228	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Sodium, Total	40.9	J	mg/kg	161	2.54	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.61	0.254	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Vanadium, Total	2.32		mg/kg	0.806	0.164	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV
Zinc, Total	8.53		mg/kg	4.03	0.236	2	06/09/21 21:17	06/10/21 19:54	EPA 3050B	1,6010D	BV



Project Name: OCEAN STATE JOB LOT**Lab Number:** L2130159**Project Number:** 30088967.01**Report Date:** 06/11/21**SAMPLE RESULTS**

Lab ID: L2130159-05

Date Collected: 06/04/21 11:35

Client ID: SP-4

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2180		mg/kg	12.5	3.38	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Antimony, Total	1.18	J	mg/kg	6.27	0.476	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Arsenic, Total	4.16		mg/kg	1.25	0.261	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Barium, Total	15.4		mg/kg	1.25	0.218	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Beryllium, Total	0.088	J	mg/kg	0.627	0.041	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Cadmium, Total	1.23	J	mg/kg	1.25	0.123	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Calcium, Total	1420		mg/kg	12.5	4.39	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Chromium, Total	25.5		mg/kg	1.25	0.120	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Cobalt, Total	1.58	J	mg/kg	2.51	0.208	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Copper, Total	390		mg/kg	1.25	0.323	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Iron, Total	9700		mg/kg	6.27	1.13	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Lead, Total	33.4		mg/kg	6.27	0.336	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Magnesium, Total	416		mg/kg	12.5	1.93	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Manganese, Total	38.3		mg/kg	1.25	0.199	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Mercury, Total	0.133		mg/kg	0.110	0.072	1	06/09/21 22:00	06/10/21 17:21	EPA 7471B	1,7471B	OU
Nickel, Total	8.31		mg/kg	3.13	0.303	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Potassium, Total	111	J	mg/kg	313	18.0	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Selenium, Total	2.19	J	mg/kg	2.51	0.323	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Silver, Total	11.8		mg/kg	1.25	0.355	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Sodium, Total	578		mg/kg	251	3.95	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	2.51	0.395	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Vanadium, Total	17.3		mg/kg	1.25	0.254	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV
Zinc, Total	246		mg/kg	6.27	0.367	2	06/09/21 21:17	06/10/21 19:59	EPA 3050B	1,6010D	BV



Project Name: OCEAN STATE JOB LOT**Lab Number:** L2130159**Project Number:** 30088967.01**Report Date:** 06/11/21**SAMPLE RESULTS**

Lab ID: L2130159-06

Date Collected: 06/04/21 13:35

Client ID: #14

Date Received: 06/04/21

Sample Location: CENTEREACH, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 24%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2570		mg/kg	32.5	8.79	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	16.3	1.24	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Arsenic, Total	3.74		mg/kg	3.25	0.677	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Barium, Total	105		mg/kg	3.25	0.566	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	1.63	0.107	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Cadmium, Total	1.50	J	mg/kg	3.25	0.319	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Calcium, Total	6460		mg/kg	32.5	11.4	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Chromium, Total	24.5		mg/kg	3.25	0.312	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Cobalt, Total	2.24	J	mg/kg	6.51	0.540	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Copper, Total	1020		mg/kg	3.25	0.840	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Iron, Total	14400		mg/kg	16.3	2.94	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Lead, Total	25.8		mg/kg	16.3	0.872	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Magnesium, Total	1100		mg/kg	32.5	5.01	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Manganese, Total	38.7		mg/kg	3.25	0.517	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.294	0.192	1	06/09/21 22:00	06/10/21 17:24	EPA 7471B	1,7471B	OU
Nickel, Total	26.1		mg/kg	8.14	0.788	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Potassium, Total	236	J	mg/kg	814	46.9	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Selenium, Total	3.55	J	mg/kg	6.51	0.840	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Silver, Total	1.33	J	mg/kg	3.25	0.921	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Sodium, Total	418	J	mg/kg	651	10.2	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	6.51	1.02	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Vanadium, Total	7.97		mg/kg	3.25	0.661	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV
Zinc, Total	6500		mg/kg	16.3	0.954	2	06/09/21 21:17	06/10/21 20:04	EPA 3050B	1,6010D	BV



Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1507775-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/09/21 08:00	06/09/21 12:17	1,7470A	OU

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1508527-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Antimony, Total	ND		mg/l	0.050	0.007	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Arsenic, Total	ND		mg/l	0.005	0.002	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Barium, Total	ND		mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Beryllium, Total	ND		mg/l	0.005	0.001	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Cadmium, Total	ND		mg/l	0.005	0.001	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Calcium, Total	ND		mg/l	0.100	0.035	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Chromium, Total	ND		mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Cobalt, Total	ND		mg/l	0.020	0.002	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Copper, Total	ND		mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Iron, Total	ND		mg/l	0.050	0.009	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Lead, Total	ND		mg/l	0.010	0.003	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Magnesium, Total	ND		mg/l	0.100	0.015	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Manganese, Total	ND		mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Potassium, Total	ND		mg/l	2.50	0.237	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Selenium, Total	ND		mg/l	0.010	0.004	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Silver, Total	ND		mg/l	0.007	0.003	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Sodium, Total	ND		mg/l	2.00	0.120	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Thallium, Total	ND		mg/l	0.020	0.003	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Vanadium, Total	ND		mg/l	0.010	0.002	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD
Zinc, Total	ND		mg/l	0.050	0.002	1	06/09/21 04:44	06/10/21 11:11	1,6010D	GD

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-06 Batch: WG1509280-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Iron, Total	ND		mg/kg	2.00	0.361	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Sodium, Total	11.7	J	mg/kg	80.0	1.26	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/09/21 21:17	06/10/21 17:59	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B



Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-06 Batch: WG1509282-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/09/21 22:00	06/10/21 16:22	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1507775-2								
Mercury, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1508527-2					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	100	-	80-120	-	
Beryllium, Total	101	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	93	-	80-120	-	
Lead, Total	102	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	95	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	95	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** OCEAN STATE JOB LOT**Project Number:** 30088967.01**Lab Number:** L2130159**Report Date:** 06/11/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1508527-2					
Zinc, Total	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-06 Batch: WG1509280-2 SRM Lot Number: D109-540					
Aluminum, Total	78	-	50-150	-	
Antimony, Total	140	-	19-250	-	
Arsenic, Total	104	-	70-130	-	
Barium, Total	100	-	75-125	-	
Beryllium, Total	98	-	75-125	-	
Cadmium, Total	102	-	75-125	-	
Calcium, Total	97	-	73-128	-	
Chromium, Total	99	-	70-130	-	
Cobalt, Total	100	-	75-125	-	
Copper, Total	102	-	75-125	-	
Iron, Total	107	-	35-165	-	
Lead, Total	102	-	72-128	-	
Magnesium, Total	94	-	62-138	-	
Manganese, Total	102	-	74-126	-	
Nickel, Total	102	-	70-130	-	
Potassium, Total	92	-	59-141	-	
Selenium, Total	106	-	68-132	-	
Silver, Total	99	-	68-131	-	
Sodium, Total	105	-	35-165	-	
Thallium, Total	105	-	68-131	-	
Vanadium, Total	104	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-06 Batch: WG1509280-2 SRM Lot Number: D109-540					
Zinc, Total	104	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 02-06 Batch: WG1509282-2 SRM Lot Number: D109-540					
Mercury, Total	77	-	60-140	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1507775-3 QC Sample: L2129684-02 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00508	102		-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1508527-3 QC Sample: L2127122-01 Client ID: MS Sample									
Aluminum, Total	ND	2	2.00	100	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.508	102	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.136	113	-	-	75-125	-	20
Barium, Total	0.111	2	2.18	103	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.053	105	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.055	107	-	-	75-125	-	20
Calcium, Total	102	10	109	70	Q	-	75-125	-	20
Chromium, Total	ND	0.2	0.213	106	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.495	99	-	-	75-125	-	20
Copper, Total	0.002J	0.25	0.268	107	-	-	75-125	-	20
Iron, Total	0.012J	1	0.968	97	-	-	75-125	-	20
Lead, Total	ND	0.51	0.523	102	-	-	75-125	-	20
Magnesium, Total	30.4	10	39.3	89	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.502	100	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.482	96	-	-	75-125	-	20
Potassium, Total	3.42	10	13.8	104	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.133	111	-	-	75-125	-	20
Silver, Total	ND	0.05	0.054	107	-	-	75-125	-	20
Sodium, Total	39.5	10	48.5	90	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.117	98	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.531	106	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1508527-3 QC Sample: L2127122-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.542	108	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-06			QC Batch ID: WG1509280-3		QC Sample: L2129536-01		Client ID: MS Sample		
Aluminum, Total	10400	171	11200	468	Q	-	75-125	-	20
Antimony, Total	0.328J	42.7	34.2	80		-	75-125	-	20
Arsenic, Total	15.0	10.2	22.3	71	Q	-	75-125	-	20
Barium, Total	60.5	171	220	93		-	75-125	-	20
Beryllium, Total	0.265	4.27	3.98	87		-	75-125	-	20
Cadmium, Total	0.636	4.36	4.56	90		-	75-125	-	20
Calcium, Total	4080	854	6830	322	Q	-	75-125	-	20
Chromium, Total	43.5	17.1	61.9	108		-	75-125	-	20
Cobalt, Total	9.07	42.7	43.7	81		-	75-125	-	20
Copper, Total	104	21.4	123	89		-	75-125	-	20
Iron, Total	15500	85.4	15000	0	Q	-	75-125	-	20
Lead, Total	229	43.6	281	119		-	75-125	-	20
Magnesium, Total	6440	854	7260	96		-	75-125	-	20
Manganese, Total	352	42.7	404	122		-	75-125	-	20
Nickel, Total	38.2	42.7	74.7	85		-	75-125	-	20
Potassium, Total	2560	854	3720	136	Q	-	75-125	-	20
Selenium, Total	ND	10.2	9.10	89		-	75-125	-	20
Silver, Total	ND	25.6	22.8	89		-	75-125	-	20
Sodium, Total	401	854	1180	91		-	75-125	-	20
Thallium, Total	ND	10.2	6.51	64	Q	-	75-125	-	20
Vanadium, Total	33.9	42.7	70.2	85		-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: OCEAN STATE JOB LOT

Lab Number: L2130159

Project Number: 30088967.01

Report Date: 06/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-06			QC Batch ID: WG1509280-3		QC Sample: L2129536-01		Client ID: MS Sample		
Zinc, Total	122	42.7	168	108	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02-06			QC Batch ID: WG1509282-3		QC Sample: L2130158-01		Client ID: MS Sample		
Mercury, Total	ND	0.148	ND	0	Q	-	80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: OCEAN STATE JOB LOT

Project Number: 30088967.01

Lab Number: L2130159

Report Date: 06/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1507775-4 QC Sample: L2129684-02 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1508527-4 QC Sample: L2127122-01 Client ID: DUP Sample						
Calcium, Total	102	102	mg/l	0		20
Magnesium, Total	30.4	30.5	mg/l	0		20
Total Metals - Mansfield Lab Associated sample(s): 02-06 QC Batch ID: WG1509280-4 QC Sample: L2129536-01 Client ID: DUP Sample						
Arsenic, Total	15.0	12.9	mg/kg	15		20
Barium, Total	60.5	65.6	mg/kg	8		20
Cadmium, Total	0.636	0.646	mg/kg	2		20
Chromium, Total	43.5	46.6	mg/kg	7		20
Lead, Total	229	223	mg/kg	3		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02-06 QC Batch ID: WG1509282-4 QC Sample: L2130158-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: OCEAN STATE JOB LOT**Project Number:** 30088967.01**Lab Number:** L2130159**Report Date:** 06/11/21**SAMPLE RESULTS****Lab ID:** L2130159-02**Client ID:** SP-1**Sample Location:** CENTEREACH, NY**Date Collected:** 06/04/21 10:30**Date Received:** 06/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	27.9		%	0.100	NA	1	-	06/08/21 09:14	121,2540G	RI



Project Name: OCEAN STATE JOB LOT**Project Number:** 30088967.01**Lab Number:** L2130159**Report Date:** 06/11/21**SAMPLE RESULTS****Lab ID:** L2130159-03**Client ID:** SP-2**Sample Location:** CENTEREACH, NY**Date Collected:** 06/04/21 12:25**Date Received:** 06/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	37.3		%	0.100	NA	1	-	06/08/21 09:14	121,2540G	RI



Project Name: OCEAN STATE JOB LOT**Project Number:** 30088967.01**Lab Number:** L2130159**Report Date:** 06/11/21**SAMPLE RESULTS****Lab ID:** L2130159-04**Client ID:** SP-3**Sample Location:** CENTEREACH, NY**Date Collected:** 06/04/21 11:58**Date Received:** 06/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	06/08/21 09:14	121,2540G	RI



Project Name: OCEAN STATE JOB LOT**Project Number:** 30088967.01**Lab Number:** L2130159**Report Date:** 06/11/21**SAMPLE RESULTS****Lab ID:** L2130159-05**Client ID:** SP-4**Sample Location:** CENTEREACH, NY**Date Collected:** 06/04/21 11:35**Date Received:** 06/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	61.9		%	0.100	NA	1	-	06/08/21 09:14	121,2540G	RI



Project Name: OCEAN STATE JOB LOT**Project Number:** 30088967.01**Lab Number:** L2130159**Report Date:** 06/11/21**SAMPLE RESULTS****Lab ID:** L2130159-06**Client ID:** #14**Sample Location:** CENTEREACH, NY**Date Collected:** 06/04/21 13:35**Date Received:** 06/04/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	23.8		%	0.100	NA	1	-	06/08/21 09:14	121,2540G	RI



Lab Duplicate Analysis
Batch Quality Control

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Lab Number: L2130159
Report Date: 06/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-06 QC Batch ID: WG1508915-1 QC Sample: L2130424-01 Client ID: DUP Sample						
Solids, Total	93.5	92.1	%	2		20

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

Serial_No:06112113:11
Lab Number: L2130159
Report Date: 06/11/21

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2130159-01A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYSUFFOLK-8260(14)
L2130159-01B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYSUFFOLK-8260(14)
L2130159-01C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYSUFFOLK-8260(14)
L2130159-01D	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2130159-01E	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2130159-01F	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2130159-01G	Amber 1000ml unpreserved	A	7	7	3.0	Y	Absent		HERB-APA(7)
L2130159-02A	Vial MeOH preserved	B	NA		4.7	Y	Absent		NYSUFFOLK-8260HLW(14),NYSUFFOLK-8260H(14)
L2130159-02B	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14),NYSUFFOLK-8260H(14)
L2130159-02C	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14),NYSUFFOLK-8260H(14)
L2130159-02D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2130159-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2130159-02F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14)
L2130159-03A	Vial MeOH preserved	B	NA		4.7	Y	Absent		NYSUFFOLK-8260HLW(14)
L2130159-03B	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14)
L2130159-03C	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14)

Project Name: OCEAN STATE JOB LOT
Project Number: 30088967.01

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Lab Number: L2130159
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2130159-03D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2130159-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),NI-Ti(180),CR-Ti(180),TL-Ti(180),SB-Ti(180),PB-Ti(180),CU-Ti(180),SE-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),MN-Ti(180),FE-Ti(180),MG-Ti(180),NA-Ti(180),CA-Ti(180),K-Ti(180),CD-Ti(180)
L2130159-03F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2130159-04A	Vial MeOH preserved	B	NA		4.7	Y	Absent		NYSUFFOLK-8260HLW(14)
L2130159-04B	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14)
L2130159-04C	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14)
L2130159-04D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2130159-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),TL-Ti(180),ZN-Ti(180),SB-Ti(180),PB-Ti(180),SE-Ti(180),CU-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),FE-Ti(180),MN-Ti(180),MG-Ti(180),K-Ti(180),CA-Ti(180),NA-Ti(180),CD-Ti(180)
L2130159-04F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2130159-05A	Vial MeOH preserved	B	NA		4.7	Y	Absent		NYSUFFOLK-8260HLW(14),NYSUFFOLK-8260H(14)
L2130159-05B	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14),NYSUFFOLK-8260H(14)
L2130159-05C	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14),NYSUFFOLK-8260H(14)
L2130159-05D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2130159-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),SE-Ti(180),PB-Ti(180),ZN-Ti(180),CU-Ti(180),SB-Ti(180),CO-Ti(180),V-Ti(180),MG-Ti(180),FE-Ti(180),HG-T(28),MN-Ti(180),NA-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180)
L2130159-05F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2130159-06A	Vial MeOH preserved	B	NA		4.7	Y	Absent		NYSUFFOLK-8260HLW(14)
L2130159-06B	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14)
L2130159-06C	Vial water preserved	B	NA		4.7	Y	Absent	06-JUN-21 10:40	NYSUFFOLK-8260HLW(14)
L2130159-06D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2130159-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2130159-06F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2130159-07A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYSUFFOLK-8260(14)
L2130159-07B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYSUFFOLK-8260(14)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

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Appendix C

Groundwater Sampling Logs

GROUNDWATER SAMPLING FORM

Page 1 of 1Project No. 30088967Well ID MW-3Date 06/10/2021Project Name/Location OSJL MW Sampling / Centereach, New YorkWeather 73°F SunnyMeasuring Pt. Description TOCScreen Setting (ft-bmp) 45-55Casing Diameter (in.) 2Well Material ☒ PVC
☐ SSStatic Water Level (ft-bmp) 46.9 Total Depth (ft-bmp) 55 Water Column (ft) _____ Gallons in Well _____MP Elevation — Pump Intake (ft-bmp) 51 Purge Method: non-dedicatedSample Method low flowPump On/Off 10:30/13:40Centrifugal
Submersible Rediflo
Other _____Sample Time: 1335Volumes Purged N/ASample ID MW-3Sampled by ALH + ARHPurge Start 1034
Purge End 1340Gallons Purged 210
Liters _____Replicate/Code No. N/A

Time	Minutes Elapsed	Rate (gpm) (mL/min) 200mL/min ±	Depth to Water (ft) -0.3	Gallons Purged	pH ± 0.1	Cond (µMhos) (mS/cm) ± 3%	Turbidity (NTU) ± 10%	DO (mg/L) ± 10%	Temp. (°C) (°F) ± 3%	Redox (mV) ± 10mV	Appearance Color	Odor
1035	0	400	46.94	0	5.34	0.427	336	-99.99	16.74	115.8	brown	none
1040	5	400		2.0	4.89	0.423	184	-99.99	17.82	124.3	light brown	none
1045	10	400	46.93	4	4.84	0.450		-89.2	18.87	111.5	light brown	none
1050	15	400		6	4.99	0.401	57.1	-97.2	19.78	103.7	light brown	none
1055	20	400		8	5.11	0.474		-84.72	19.82	99.3	light brown	none
1140	25	400		10	5.43	4.949		-28.32	18.68	101.5	light	none
1150	30	400		12	5.35	3.349		-39.81	17.17	79.9	clear	none
1300	35	400	46.92	14	4.07	0.560	14.6	-	17.06	89.6	clear	none
1305	40	400		16	4.66	0.547		*	17.62	94.5	clear	none
1310	45	400	46.93	18	4.67	0.560	1.52	*	18.57	93.4	clear	none
1315	50	400		20	4.72	0.551		*	19.35	93.9	clear	none
1320	55	400	46.93	22	4.75	0.549	0.01	*	19.75	94.4	clear	none
1325	60	400		24	4.81	0.541		*	19.80	94.6	clear	none
1330	65	400	46.93	26	4.86	0.540	2.08	*	20.07	94.3	clear	none
Stabilization Calculations (±)												
Stabilization Criteria					± 0.1 s.u.	± 3%	± 10% or within 1 NTU (1)	± 10%	± 3%	± 10 mV		

(1) Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

TEL VDA's - EPA Method 8240

Container

40 mL glass vial

Number

3

Preservative

HCl

Comments

Well screened with PID upon opening = 0.0 ppm, sanded depth: 55 ft bms
* Indicates DO not measured due to erroneous readings from flow through cell issue

Well Casing Volumes

Gallons/Foot 1" = 0.04
1.25" = 0.061.5" = 0.09
2" = 0.162.5" = 0.26
3" = 0.373.5" = 0.50
4" = 0.65

6" = 1.47

Well Information

Well Location: SW of OSJL parking lot, behind gate

Well Locked at Arrival: Yes / No

Condition of Well: good

Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up

Key Number To Well: _____

GW Semp Form
4-10-2000

GROUNDWATER SAMPLING FORM



Page 1 of 1

Project No. 30088967

Well ID MW-2

Date 6/10/2021

Project Name/Location OS3L MW Sampling / Centereach, New York

Weather 73°F, sunny

Measuring Pt. Description TOC

Screen Setting (ft-bmp) 45-55

Casing Diameter (in.) 2

Well Material ☒ PVC
☐ SS

Static Water Level (ft-bmp) 46.84

Total Depth (ft-bmp) 55

Water Column (ft) 8.16

Gallons in Well 1.3

MP Elevation —

Pump Intake (ft-bmp) 51

Purge Method: non-dedicated

Sample Method Low-Flow

Pump On/Off 08:50/09:40

Centrifugal
Submersible Redflo
Other

Sample Time: 0935

Volumes Purged 2/1

Sample ID MW-2

Sampled by ALH + ARH

Purge Start 08:50

Gallons Purged 3 gallons

Replicate/Code No. N/A

Purge End 09:40

Time	Minutes Elapsed	Rate (gpm)/(mL/min) 200mL/min +	Depth to Water (ft) -0.3	Gallons Purged	pH ± 0.1	Cond. (µMhos)/(mS/cm) ± 3%	Turbidity (NTU) ± 10%	DO (mg/L) ± 10%	Temp. (°C)/(°F) ± 3%	Redox (mV) ± 10mV	Appearance	
											Color	Odor
08:50	0	580			7.94	0.650	409	14.28	18.35	89.8	brown	none
08:55	5	650	46.85		5.96	0.525	379	-2.48	17.56	84.7	brown	none
09:00	10	260			5.38	0.512		-8.81	18.29	88.1	brown	none
09:05	15		46.85		5.16	0.399	190	2.03	19.89	99.3	light brown	none
09:10	20	200	46.84		5.24	0.376		5.39	19.19	98.5	light brown	none
09:15	25	200			5.30	0.368	155	5.30	19.84	98.2	light brown	none
09:20	30	200	46.84		5.31	0.352	111	5.32	20.14	103.3	clear	none
09:25	35	200	46.84		5.41	0.333	60.2	8.46	20.78	103.4	clear	none
09:30	40	200	46.84		5.47	0.324	50.6	8.57	21.01	104.5	clear	none
Stabilization Calculations (±)												
Stabilization Criteria					± 0.1 s.u.	± 3%	± 10% or within 1 NTU (1)	± 10%	± 3%	± 10 mV		

(1) Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

TCL VOCs - EPA Method 8260

Container

40 ml glass vial

Number

3

Preservative

HCL

Comments well screened with PID upon opening: 0.0 ppm, Sample depth: 55 ft bmp
Turbidity measured from sample line prior to collection - 36.8 ntu

Well Casing Volumes

Gallons/Foot 1" = 0.04
1.25" = 0.061.5" = 0.09
2" = 0.162.5" = 0.26
3" = 0.373.5" = 0.50
4" = 0.65

6" = 1.47

Well Information

Well Location: NW corner of OS3L building

Well Locked at Arrival: Yes / No

Condition of Well: good

Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up

Key Number To Well:

GW Samp Form
8-02000

ARCADIS

GW Samp Form

ARCADIS

Page 1 of 1

Date 6/10/24

Weather 75°F, sunny

Well Material ☒ PVC ☐ SS

MP Elevation — Pump Intake (ft-bmp) 51 Purge Method: non-dedicated Sample Method: 10 min

Pump Intake (ft-bmp) 51 Purge Method: non-dedicated

Volumes Purged _____

Gallons Purged

Sample ID MW-4
Replicate/Code No. n/a

Sampled by ALH + ARH

(1) **Turbidity** < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Preservative
HCL

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Location:	Southern side of OSJL bldg by gas meter		Well Locked at Arrival:	Yes	/	No
Condition of Well:	good		Well Locked at Departure:	Yes	/	No
Well Completion:	Flush Mount	/	Stick Up	Key Number To Well:		

GW Samp Form
8-2009

Appendix D

Groundwater Well Completion and Development Logs

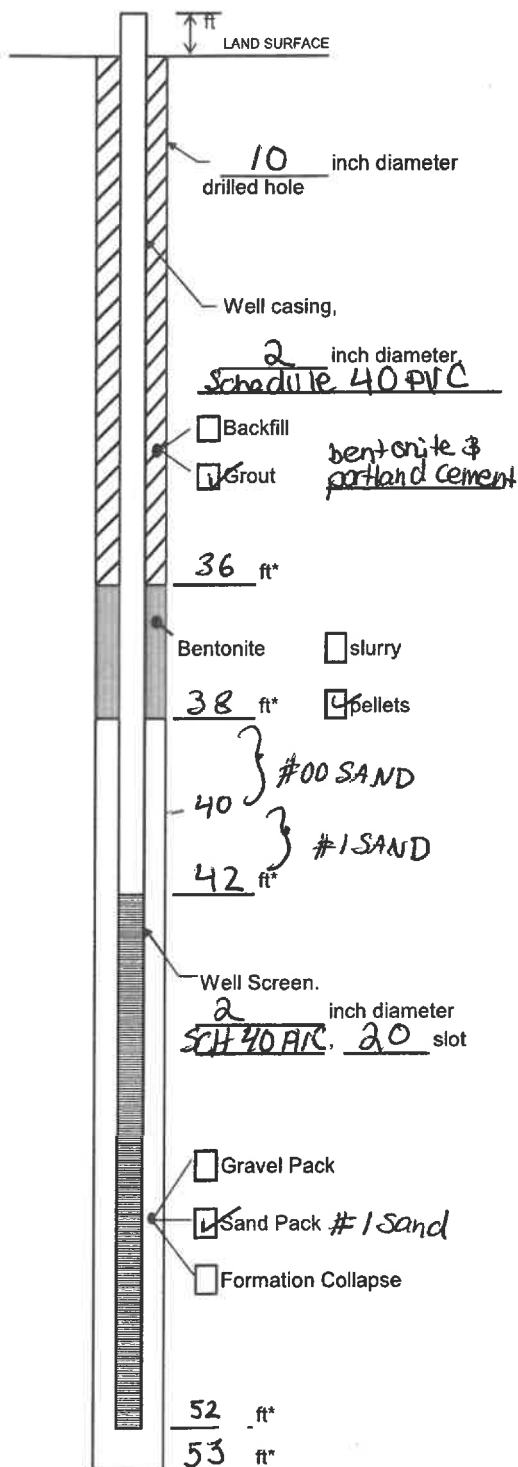


ARCADIS

Design & Consultancy
for natural and
built assets

WELL CONSTRUCTION LOG

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project monitoring well installation - OSSL Well MW-1

Town/City Centereach, New York

County Suffolk State NY

Permit No. _____

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed

☐ Estimated

Installation Date(s) 06/01/2021

Drilling Method hollow-stem auger, 4.25" ID

Drilling Contractor Land Air Water Environmental Services

Drilling Fluid water

Development Technique(s) and Date(s)

Fluid Loss During Drilling 10 gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose groundwater monitoring

Remarks _____

Prepared by Agnes Link-Harrington

WELL DEVELOPMENT LOG

Site/Well No. MW-1
 Project 05JL Project No. 30088967 Page 1 of 1
 Site Location Centereach, NY Date 6/3/21
 Weather 60-65°F, rain Development Time Begin 0850 End 0931

Evacuation Data

Measuring Point TOC
 MP Elevation (ft) -
 Land Surface Elevation (ft) -
 Initial Sounded Well Depth (ft bmp) 51.68
 Final Sounded Well Depth (ft bmp) 51.96
 Initial Depth to Water (ft bmp) 43.71
 Final Depth to Water (ft bmp) 43.72
 Water-Level Elevation (ft) -
 Water Column in Well (ft) 8 ft
 Casing Diameter/Type 2" PVC / Schedule 40
 Gallons in Well 1.28 gal

Sample Pump
 Intake Setting (ft bmp) 45 - 51 ft
 Pumping Rate (gpm) 1.2
 Evacuation Method

Field Parameters

Color brown (initial), clear (final)
 Odor none
 Appearance

Well Volume	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm) μS	Turbidity (NTU)	Temperature ($^{\circ}F$ / $^{\circ}C$)	Remarks
Initial 0850	0	6.3	862	overrange	16.6	brown, well surged
1st 0855	6	6.01	862	352	16.4	cloudy brown
2nd 0900	12	6.14	900	246	16.5	cloudy brown, well surged
3rd 0905	18	6.11	888	65.2	16.1	cloudy white
4th 0910	24	6.05	915	24.4	16.1	clear
5th 0915	30	6.05	909	overrange	16.2	cloudy brown, well surged
6th 0920	36	6.03	932	15.8	16.2	clear
7th 0925	42	5.94	955	8.17	16.2	clear
8th 0930	48	6.04	967	0.22	16.2	clear
9th						
10th						

Development Personnel: Kevin McGourty + Anthony Fava (LANES), Alyssa Rose Hynes (Arcadis)
 Notes: Purged at rate of ~1.2 gal/min

Well Casing Volumes (gallon/feet)

1-1/4" = 0.06
 1-1/2" = 0.09

2" = 0.16
 2-1/2" = 0.26

3" = 0.37
 3-1/2" = 0.50

4" = 0.65
 6" = 1.47

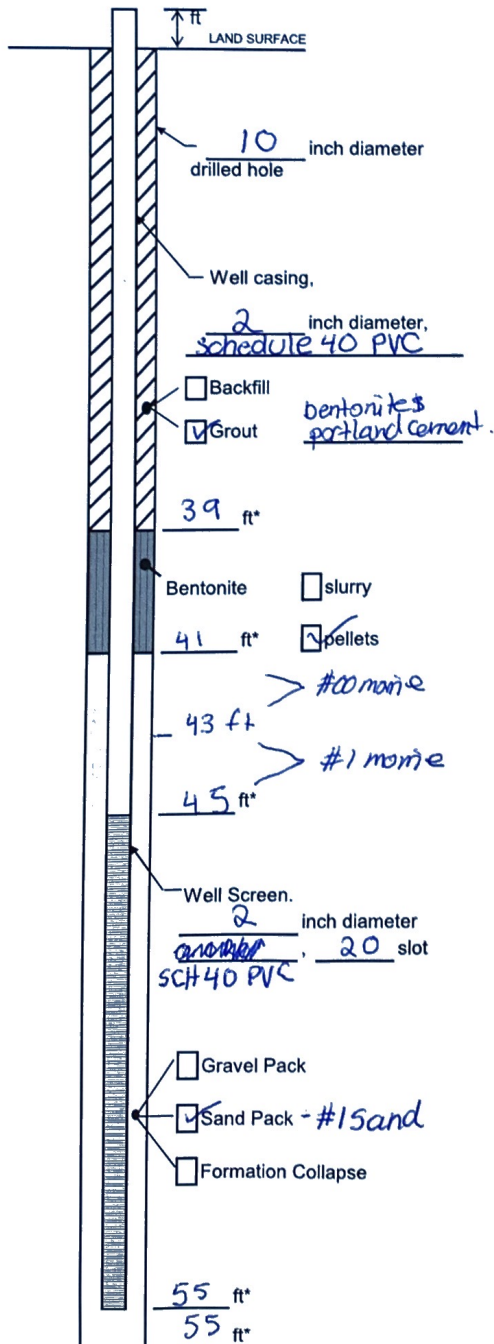
bmp below measuring point
 $^{\circ}C$ Degrees Celsius
 ft feet
 gpm Gallons per minute
 mg/L Milligrams per liter

ml milliliter
 mS/cm Millisiemens per centimeter
 msl mean sea-level
 N/A Not Applicable
 NM Not Measured

NTU Nephelometric Turbidity Units
 PVC Polyvinyl chloride
 s.u. Standard units
 umhos/cm Micromhos per centimeter
 VOC Volatile Organic Compounds

WELL CONSTRUCTION LOG

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project Monitoring Well Installation - 055L Well MW-2
Town/City Centereach, New York
County Suffolk State NY
Permit No. _____
Land-Surface (LS) Elevation and Datum:
_____ feet ☐ Surveyed
_____ ☐ Estimated
Installation Date(s) 5/26/21
Drilling Method hollow-stem auger, 4.25" ID
Drilling Contractor Land Air Water Environmental Services
Drilling Fluid water

Development Technique(s) and Date(s)

Fluid Loss During Drilling 10 gallons
Water Removed During Development _____ gallons
Static Depth to Water _____ feet below M.P.
Pumping Depth to Water _____ feet below M.P.
Pumping Duration _____ hours
Yield _____ gpm Date _____
Specific Capacity _____ gpm/ft

Well Purpose groundwater monitoring

Remarks _____

Prepared by Agnes Link-Harrington

WELL DEVELOPMENT LOG

Site/Well No. MW-2
 Project OSTL Project No. 30088967 Page 1 of 1
 Site Location Centereach, NY Date 6/8/21
 Weather 60-65°F, overcast Development Time Begin 1020 End 1105

Evacuation Data

rain

Measuring Point TDC
 MP Elevation (ft) -
 Land Surface Elevation (ft) -
 Initial Sounded Well Depth (ft bmp) 55.00 ft bmp
 Final Sounded Well Depth (ft bmp) 55.19 ft bmp
 Initial Depth to Water (ft bmp) 46.78 ft
 Final Depth to Water (ft bmp) 46.79 ft
 Water-Level Elevation (ft) -
 Water Column in Well (ft) 8 ft
 Casing Diameter/Type 2" PVC
 Gallons in Well 1.32 gal

Sample Pump
 Intake Setting (ft bmp) 48-54 ft
 Pumping Rate (gpm) 1.2 g/min
 Evacuation Method -

Field Parameters

Color brown (initial)
 Odor none
 Appearance -

Well Volume	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
Initial 1020	0	6.01	239	overrange	16.0	well surged, brown
1st 1025	6	5.93	223	216	15.4	cloudy brown, well surged
2nd 1030	12	5.95	227	227	14.9	clear
3rd 1035	18	5.89	228	224	14.8	clear
4th 1040	24	5.93	229	4.05	14.8	clear
5th 1045	30	5.94	223	overrange	15.2	well surged, brown
6th 1050	36	5.93	227	373	15.2	cloudy brown
7th 1055	42	5.93	227	71.3	15.6	cloudy white
8th 1100	48	5.96	227	6.27	15.1	clear
9th 1105	54	5.90	226	5.49	15.0	clear
10th						

Development Personnel: Alyssa Rose Hynes (Arcadis), Kevin McGourty + Anthony Fava (LAWES)

Notes: Initial total depth measured at exactly 55 ft
Purged at rate ~ 1.2 gal/min

Well Casing Volumes (gallon/feet)

1-1/4" = 0.06
 1-1/2" = 0.09

2" = 0.16
 2-1/2" = 0.26

3" = 0.37
 3-1/2" = 0.50

4" = 0.65
 6" = 1.47

bmp below measuring point
 °C Degrees Celsius
 ft feet
 gpm Gallons per minute
 mg/L Milligrams per liter

ml milliliter
 mS/cm Millisiemens per centimeter
 msl mean sea-level
 N/A Not Applicable
 NM Not Measured

NTU Nephelometric Turbidity Units
 PVC Polyvinyl chloride
 s.u. Standard units
 umhos/cm Micromhos per centimeter
 VOC Volatile Organic Compounds

WELL DEVELOPMENT LOG

Site/Well No. MW-3
 Project OSTJL Project No. 3088967 Page 1 of 1
 Site Location Centereach, NY Date 6/3/21
 Weather 60-65°F, rain Development Time Begin 1155 End 1246

Evacuation Data

Measuring Point	<u>TOC</u>	Sample Pump	
MP Elevation (ft)	<u>-</u>	Intake Setting (ft bmp)	<u>48-54 ft</u>
Land Surface Elevation (ft)	<u>-</u>	Pumping Rate (gpm)	<u>1.2 gal/min</u>
Initial Sounded Well Depth (ft bmp)	<u>55.08</u>	Evacuation Method	
Final Sounded Well Depth (ft bmp)	<u>55.1</u>		
Initial Depth to Water (ft bmp)	<u>46.86</u>		
Final Depth to Water (ft bmp)	<u>46.85</u>		
Water-Level Elevation (ft)	<u>-</u>	Field Parameters	
Water Column in Well (ft)	<u>8</u>	Color	<u>brown (initial)</u>
Casing Diameter/Type	<u>2" PVC</u>	Odor	<u>none</u>
Gallons in Well	<u>1.32</u>	Appearance	

Well Volume	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
Initial	1155	0	5.52	307	overrange	15.5 brown
1st	1200	6	5.48	417	overrange	15.3 well surged, brown
2nd	1205	12	5.53	436	135	15.3 cloudy gray
3rd	1210	18	5.5	437	7.01	15.4 clear
4th	1215	24	5.43	437	44.3	15.1 clear, well surged
5th	1220	30	5.49	442	13.7	15.6 clear
6th	1225	36	5.44	439	281	15.6 cloudy, well surged
7th	1230	42	5.43	440	593	15.6 cloudy brown
8th	1235	48	5.48	428	97.6	16.3 cloudy brown
9th	1240	50	5.46	427	52.5	16.5 cloudy gray
10th	1245	54	5.47	425	14.5	16.0 clear

Development Personnel: Alyssa Rose Hynes (Arcadis), Kevin McGourty + Anthony Fava (LAWES)

Notes: Rate 1.2 gal/min until 1235; rate dropped to ~0.10 gal/min

✓

Well Casing Volumes (gallon/feet)

1-1/4" = 0.06
 1-1/2" = 0.09

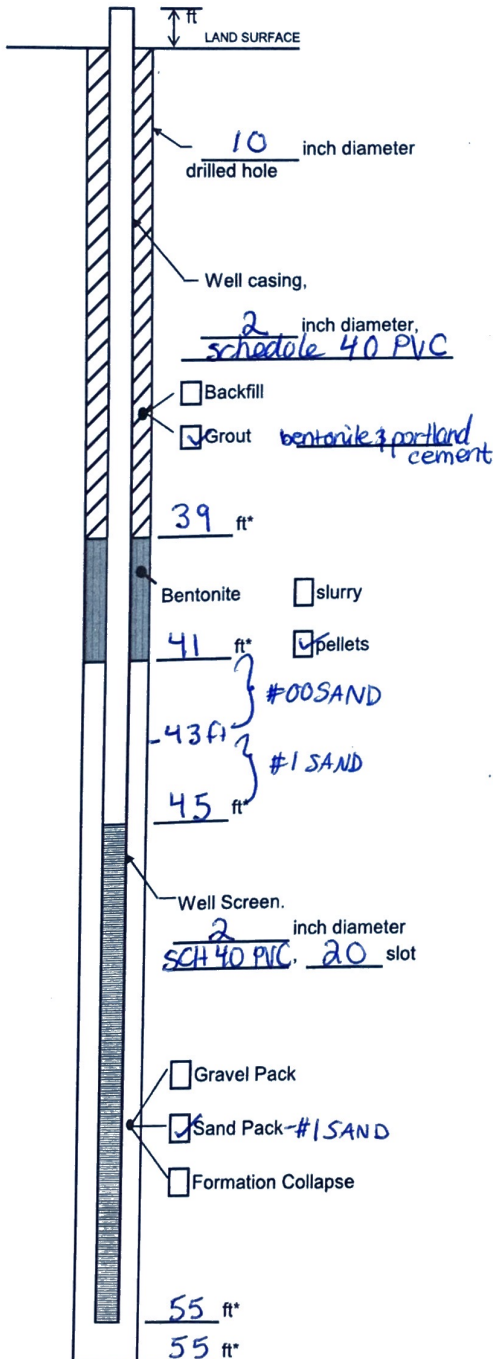
2" = 0.16
 2-1/2" = 0.26

3" = 0.37
 3-1/2" = 0.50

4" = 0.65
 6" = 1.47

bmp	below measuring point	ml	milliliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Millisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Milligrams per liter	NM	Not Measured	VOC	Volatile Organic Compounds

WELL CONSTRUCTION LOG
(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project Monitoring Well Installation - CSSL Well MW-3

Town/City Centereach, New York

County Suffolk State NY

Permit No. _____

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed

☐ Estimated

Installation Date(s) 05/28/21

Drilling Method hollow-stem auger, 4.25" ID

Drilling Contractor Land Air Water Environmental Services

Drilling Fluid Water

Development Technique(s) and Date(s)

Fluid Loss During Drilling 10 gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

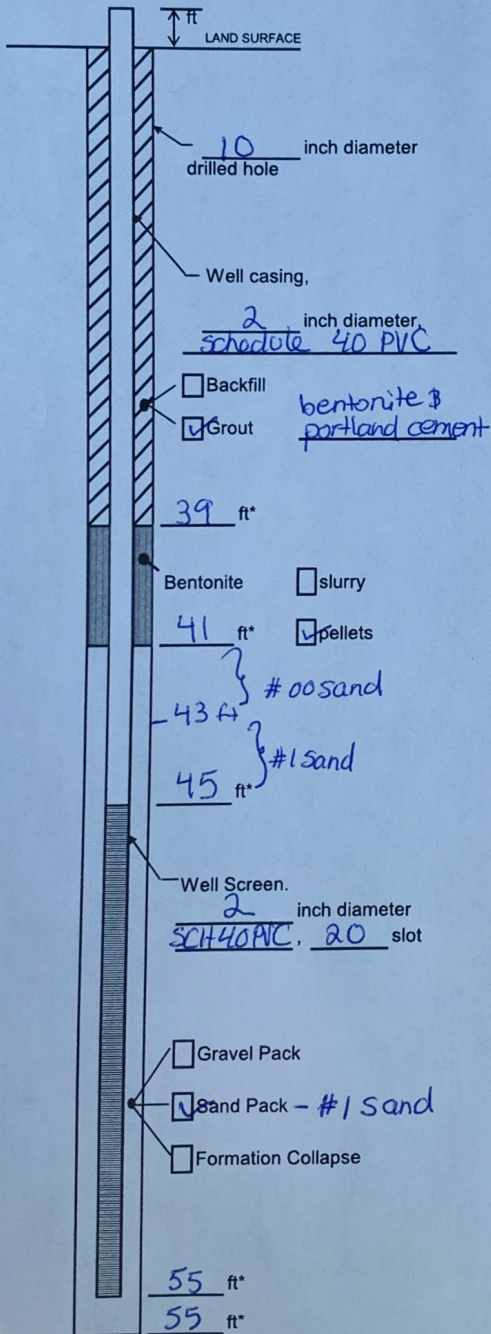
Specific Capacity _____ gpm/ft

Well Purpose Groundwater monitoring

Remarks _____

Prepared by Agnes Link-Harrington

WELL CONSTRUCTION LOG
(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project Monitoring Well Installation - OSJL Well MW-4
Town/City Centereach, New York
County Suffolk State NY
Permit No. _____

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed
☐ Estimated

Installation Date(s) 5/27/21

Drilling Method hollow-stem auger, 4.25" ID

Drilling Contractor Land Air Water Environmental Services

Drilling Fluid Water

Development Technique(s) and Date(s)

Fluid Loss During Drilling 20 gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose groundwater monitoring

Remarks _____

Prepared by Agnes Link-Hamington

WELL DEVELOPMENT LOG

Site/Well No. MW-4
 Project OSJL Project No. 30088967 Page 1 of 1
 Site Location Centereach, NY Date 6/3/21
 Weather 60-65°F, overcast Development Time Begin 1335 End 1420

Evacuation Data

Measuring Point TOC
 MP Elevation (ft) —
 Land Surface Elevation (ft) —
 Initial Sounded Well Depth (ft bmp) 54.82
 Final Sounded Well Depth (ft bmp) 55.03
 Initial Depth to Water (ft bmp) 46.19
 Final Depth to Water (ft bmp) 46.18
 Water-Level Elevation (ft) —
 Water Column in Well (ft) 8
 Casing Diameter/Type 2" PVC
 Gallons in Well 1.38

Sample Pump Intake Setting (ft bmp) 48-54 ft
 Pumping Rate (gpm) 1 gal/min
 Evacuation Method —
 Field Parameters
 Color brown (initial), clear (final)
 Odor none
 Appearance —

Well Volume	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
Initial <u>1335</u>	<u>0</u>	<u>6.53</u>	<u>491</u>	<u>overrange</u>	<u>18.4</u>	<u>brown, well surged</u>
1st <u>1340</u>	<u>5</u>	<u>6.53</u>	<u>458</u>	<u>673</u>	<u>17.4</u>	<u>brown</u>
2nd <u>1345</u>	<u>10</u>	<u>6.60</u>	<u>434</u>	<u>100</u>	<u>17.3</u>	<u>brown, well surged</u>
3rd <u>1355</u>	<u>15</u>	<u>6.34</u>	<u>428</u>	<u>241</u>	<u>17.2</u>	<u>cloudy brown</u>
4th <u>1400</u>	<u>20</u>	<u>6.29</u>	<u>428</u>	<u>64.9</u>	<u>17.2</u>	<u>cloudy brown</u>
5th <u>1405</u>	<u>25</u>	<u>6.30</u>	<u>422</u>	<u>25.1</u>	<u>17.2</u>	<u>clear</u>
6th <u>1410</u>	<u>30</u>	<u>6.23</u>	<u>412</u>	<u>overrange</u>	<u>17.0</u>	<u>well surged, brown</u>
7th <u>1415</u>	<u>35</u>	<u>6.19</u>	<u>418</u>	<u>152</u>	<u>17.1</u>	<u>cloudy brown</u>
8th <u>1420</u>	<u>40</u>	<u>6.17</u>	<u>418</u>	<u>23.7</u>	<u>17.1</u>	<u>clear</u>
9th <u>1425</u>	<u>45</u>	<u>6.12</u>	<u>419</u>	<u>12.0</u>	<u>17.1</u>	<u>clear</u>
10th						

Development Personnel: Alyssa Rose Hynes (Arcadis), Kevin McGourty + Anthony Fava (LAWES)

Notes: Purged at rate of 1 gal/min
Gas smell noticed 15 min in to purge. Alyssa notified manager of leak.

Well Casing Volumes (gallon/feet)			
1-1/4" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
1-1/2" = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47
bmp below measuring point	ml milliliter	NTU Nephelometric Turbidity Units	
°C Degrees Celsius	mS/cm Millisiemens per centimeter	PVC Polyvinyl chloride	
ft feet	msl mean sea-level	s.u. Standard units	
gpm Gallons per minute	N/A Not Applicable	umhos/cm Micromhos per centimeter	
mg/L Milligrams per liter	NM Not Measured	VOC Volatile Organic Compounds	

Appendix E

Soil Boring Logs

Soil Boring Log

Sheet: 1 of 2

Project Name: OSJL Date Started: 06-01-2021 Logger: Agnes Link-Harrington
Project Number: 30088967 Date Completed: 06-01-2021 Editor: Dakota Downs
Project Location: Centereach, NY Weather Conditions: Mostly cloudy

Depth (feet)	Rec. (in.)	PID (ppm)	Graphic	Description
1				ASPHALT
2	60	0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small to medium, subangular to subrounded; poorly sorted, moist, light brown, no odor
3		0.0		SAND, fine to very fine, rounded to subrounded; trace pebbles, small, subrounded to subangular; well sorted, moist, light brown, no odor
4				SAND, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, moist, tan/light brown, no odor
5		0.0		SAND, fine to very fine, rounded to subrounded; well sorted, moist, light brown, no odor
6	15	0.0		
7		0.0		
8	15.6	0.0		SAND, fine to very fine, rounded to subrounded; trace pebbles, medium, subrounded; well sorted, moist, light brown, no odor
9		0.0		
10	15.6	0.0		SAND, fine to very fine, rounded to subrounded; little pebbles, small to medium, subrounded to subangular; trace silt; poorly sorted, moist, light brown, no odor
11		0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small, subrounded to subangular; poorly sorted, moist, tan, no odor
12	20.4	0.0		SAND, fine to medium, subrounded to subangular; AND PEBBLES, medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
13		0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small, subrounded to subangular; poorly sorted, moist, tan, no odor
14	12	0.0		SAND, fine to very fine, rounded to subrounded; well sorted, moist, light brown, no odor
15		0.0		SAND, fine to medium, subrounded to subangular; well sorted, moist, light brown
16				
17				
18		0.0		SAND, fine, rounded to subrounded; well sorted, moist, light brown, no odor
19	16.8	0.0		SAND, fine to very fine, rounded to subrounded; AND SILT, low plasticity; well sorted, moist, light brown, no odor
20		0.0		
21				
22				
23		0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted, moist, orange brown, no odor
24	12	0.0		SAND, fine to medium, subrounded to subangular; well sorted, moist, light orange brown, no odor
25				
26				
27				
28		0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to medium, subangular to subrounded; poorly sorted, moist, light brown, no odor
29	7.2			SAND, fine to medium, subrounded to subangular; well sorted, moist, orange brown, no odor
30				
31				
32				
33		0.0		SAND, fine to medium, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; poorly sorted, moist, brown, no odor
34	18	0.1		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, moist, brown, no odor
35		0.0		SAND, fine to medium, subrounded to subangular; well sorted, moist, orange brown, no odor

Drilling Co.: Land Air Water Environmental Services Sampling Method: Split Spoon
Driller: Kevin McCourty Sampling Interval: Continuous
Drilling Method: Hollow-Stem Auger Converted to Well: Yes
Drill Rig: Geoprobe
Comments: Water table encountered at approximately 43' below ground surface.

Soil Boring Log

Sheet: 2 of 2

Project Name: OSJL Date Started: 06-01-2021 Logger: Agnes Link-Harrington
Project Number: 30088967 Date Completed: 06-01-2021 Editor: Dakota Downs
Project Location: Centereach, NY Weather Conditions: Mostly cloudy

Depth (feet)	Rec. (in.)	PID (ppm)	Graphic	Description
36				
37				
38		0.0		
39	18	0.1		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, wet, brown, slight odor
40		0.0		SAND, fine to medium, sub rounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, wet, brown, odor present, potential staining from 39-39.3 feet
41				
42				
43		0.0		
44	9.6	0.3		SAND, medium to very coarse, subrounded to subangular; AND PEBBLES, small to large, subangular to subrounded; poorly sorted, wet, slight odor, potential stain at 43.7
45		0.0		
46	12	0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to large, subrounded to subangular; poorly sorted, wet, light brown, slight odor
47		0.0		
48	4.8			SAND, coarse to very coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, wet, brown, no odor
49		0.0		
50	15	0.0		SAND, coarse to very coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, wet, brown, no odor
51				
52	7.2			SAND, medium to coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, wet, light brown, slight odor
53				

End of Boring at 53 ft bgs.

Soil Boring Log

Sheet: 1 of 2

Project Name: OSJL Date Started: 05-26-2021 Logger: Agnes Link-Harrington
Project Number: 30088967 Date Completed: 05-26-2021 Editor: Dakota Downs
Project Location: Centereach, NY Weather Conditions: Cloudy

Depth (feet)	Rec. (in.)	PID (ppm)	Graphic	Description
1		0.0		ASPHALT
2	60	0.0		SAND, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; trace cobbles, small, subrounded; poorly sorted, moist, light brown, no odor
3		0.0		
4		0.0		
5		0.0		
6	15.6	0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted, moist, light brown, no odor, potential staining on bottom
7		0.0		SAND, fine to medium, subrounded to subangular; AND SILT, non plastic; trace pebbles, small, subrounded; poorly sorted, moist, gray brown, no odor
8	15.6	0.0		SAND, fine to medium, subrounded to subangular; AND PEBBLES, small to large, angular to subrounded; poorly sorted, moist, light brown, no odor
9		0.0		SAND, fine to medium, subrounded to subangular; little silt, non plastic; trace pebbles, small, rounded to subrounded; poorly sorted, moist, orange to gray brown, no odor, potential staining at 7.75
10	14.04	0.0		SAND, fine to medium, subrounded to subangular; AND PEBBLES, small to medium, angular to subangular; trace silt, non plastic; poorly sorted, moist, light brown, no odor
11		0.0		SAND, fine, rounded to subrounded; some silt, non plastic; little pebbles, small subrounded to subangular; poorly sorted, moist, gray brown, no odor
12	17.4	0.0		SAND, fine to medium, subrounded to subangular; some pebbles, small to medium, subangular to subrounded; poorly sorted, moist, light brown, no odor
13		0.0		SAND, fine to medium, subrounded to subangular; some silt, non plastic; little pebbles, small, subrounded to subangular; poorly sorted; moist, gray brown, no odor
14	19.2	0.0		SAND, fine to medium, subrounded to subangular; AND PEBBLES, medium to large, subangular; poorly sorted, moist, light brown, no odor
15		0.0		SAND, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
16		0.0		SAND, fine, rounded to subrounded; AND SILT, low plasticity; little pebbles, small to medium, subrounded to subangular; poorly sorted, moist, brown, no odor
17		0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
18		0.0		
19	15.96	0.0		SAND, fine to medium, subrounded to subangular; AND SILT, non plastic; some pebbles, small to medium, subrounded to subangular; poorly sorted, moist, gray brown, no odor
20		0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
21		0.0		
22		0.0		
23		0.0		
24	15	0.0		SAND, fine, rounded to subrounded; AND PEBBLES, small to large, subrounded to subangular; poorly sorted, moist, light brown, no odor
25		0.0		SAND, fine, rounded to subrounded; little silt, non plastic; trace pebbles, small, subangular to subrounded; poorly sorted, moist, brown, no odor
26		0.0		
27		0.0		
28		0.0		
29	9.6	0.0		SAND, fine to medium, subrounded to subangular; some pebbles, small to medium, subangular to subrounded; little silt, non plastic; poorly sorted, moist, brown, no odor
30		0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to large, subrounded to subangular; poorly sorted, moist, brown, no odor
31		0.0		
32		0.0		
33		0.0		SAND, fine to medium, subrounded to subangular; AND PEBBLES, small to large, angular to subrounded; poorly sorted, moist, brown, no odor
34	18	0.0		SAND, fine, rounded to subrounded; some pebbles, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
35		0.0		

Drilling Co.: Land Air Water Environmental Services
Driller: Kevin McCourty
Drilling Method: Hollow-Stem Auger
Drill Rig: Geoprobe
Comments: Water table encountered at approximately 47' below ground surface.

Sampling Method: Split Spoon
Sampling Interval: Continuous
Converted to Well: Yes

Soil Boring Log

Sheet: 2 of 2

Project Name: OSJL Date Started: 05-26-2021 Logger: Agnes Link-Harrington
Project Number: 30088967 Date Completed: 05-26-2021 Editor: Dakota Downs
Project Location: Centereach, NY Weather Conditions: Cloudy

Depth (feet)	Rec. (in.)	PID (ppm)	Graphic	Description
36				
37				
38		0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, angular to subrounded, small to medium; poorly sorted, moist, brown, no odor
39	13.2	0.0		SAND, fine to medium, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, moist, brown, no odor
40				
41				
42				
43				
44	0			
45				
46	6	0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted, moist, brown, no odor
47		0.0		
48	15.6	0.0		SAND, medium to coarse, subrounded to subangular; some pebbles, small, subrounded to subangular; poorly sorted, wet/saturated, light brown/tan, no odor
49		0.0		
50	15	0.0		SAND, fine to medium, subrounded to subangular; trace pebbles, small, subrounded; well sorted, wet, light brown, no odor
51		0.0		SAND, fine, rounded to subrounded; some pebbles, small to medium, subrounded to subangular; poorly sorted, wet, light brown, no odor
52	6	0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; well sorted, wet, light brown, no odor
53				
54	10.8			
55				

End of Boring at 55 ft bgs.

Soil Boring Log

Sheet: 1 of 2

Project Name: OSJL Date Started: 05-28-2021 Logger: Agnes Link-Harrington
Project Number: 30088967 Date Completed: 05-28-2021 Editor: Dakota Downs
Project Location: Centereach, NY Weather Conditions: Cloudy

Depth (feet)	Rec. (in.)	PID (ppm)	Graphic	Description
1	60	0.0		ASPHALT
2		0.0		SAND, fine to medium, subrounded to subangular; trace pebbles, small to medium, subrounded to subangular; well sorted, moist, orange brown, no odor
3		0.0		
4		0.0		SAND, fine to very fine, rounded to subrounded; some silt, non plastic; well sorted, moist, light gray, no odor
5	15.96	0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted, moist, orange brown, no odor
6		0.0		SAND, fine to very fine, rounded to subrounded; AND SILT, low plasticity; well sorted, moist, gray brown, no odor
7	16.8	0.0		
8		0.0		SAND, fine to very fine, rounded to subrounded; AND SILT, low plasticity; well sorted, moist, gray brown, no odor
9		0.0		SAND, fine to very fine, rounded to subrounded; some silt, non plastic; well sorted, moist, orange brown w/ thin dark brown layers, no odor
10	24	0.0		SILT, low plasticity; little sand, very fine, rounded; well sorted, moist, orange brown, no odor
11		0.0		SAND, fine to very fine, rounded to subrounded; little pebbles, small, subrounded to subangular; poorly sorted, moist, gray brown, no odor
12	15	0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; trace silt, non plastic; poorly sorted, moist, gray brown, no odor
13		0.0		SAND, medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted, moist, light brown
14		0.0		SAND, medium, subrounded to subangular; some pebbles, small to medium, subangular to subrounded; little silt, non plastic; poorly sorted, moist, gray, no odor
15	15.6	0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to large, subangular to subrounded; little silt, low plasticity; poorly sorted, moist, gray brown, no odor
16		0.0		SAND, fine, rounded to subrounded; little silt, non plastic; trace pebbles, small, subrounded to subangular; well sorted, moist, gray brown, no odor
17	14.4	0.0		SAND, fine to medium, subrounded to subangular; AND PEBBLES, medium to large, angular to subangular; little silt, non plastic; poorly sorted, moist, gray brown, no odor
18		0.0		SAND, medium to coarse, subrounded to subangular; some pebbles, small to medium, subangular to subrounded; poorly sorted, moist, light brown, no odor
19		0.0		
20		0.0		SAND, fine to medium, subrounded to subangular, some pebbles, small to medium, subrounded to subangular; little silt, non plastic; poorly sorted, moist, brown, no odor
21	13.2	0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
22		0.0		
23		0.0		
24	15	0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted, moist, light brown, no odor
25		0.0		
26		0.0		
27		0.0		
28	9.6	0.0		SAND, medium, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted, moist, orange brown, no odor
29		0.0		SAND, medium subrounded to subangular; some pebbles, small to medium, subrounded to subangular; little silt, low plasticity; poorly sorted, moist, orange brown, no odor
30		0.0		SAND, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
31	9.6	0.0		
32		0.0		
33		0.0		
34		0.0		SAND, medium to coarse, subrounded to subangular; some pebbles, small, subrounded to subangular; poorly sorted, moist, light orange brown, no odor
35		0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, moist, light

Drilling Co.: Land Air Water Environmental Services Sampling Method: Split Spoon
Driller: Kevin McCourty Sampling Interval: Continuous
Drilling Method: Hollow-Stem Auger Converted to Well: Yes
Drill Rig: Geoprobe
Comments: Water table encountered at approximately 47' below ground surface.

Soil Boring Log

Sheet: 2 of 2

Project Name: OSJL Date Started: 05-28-2021 Logger: Agnes Link-Harrington
Project Number: 30088967 Date Completed: 05-28-2021 Editor: Dakota Downs
Project Location: Centereach, NY Weather Conditions: Cloudy

Depth (feet)	Rec. (in.)	PID (ppm)	Graphic	Description
36				brown, no odor
37				
38		0.0		
39	2.4			SAND, medium, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, moist, brown, no odor (large rock in shoe)
40				
41				
42				
43		0.0		
44	3.96			SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
45		0.0		
46	2.4			SAND, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted, moist, brown, no odor
47		0.0		
48	15.6	0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to large, subrounded to subangular; poorly sorted, wet/saturated, light brown, no odor
49		0.0		
50	15.6	0.1		SAND, medium to coarse, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted, wet, light brown, no odor
51		0.0		SAND, fine to medium, subrounded to subangular; well sorted, wet, light brown, no odor
52	15	0.0		SAND, fine to coarse, subrounded to subangular; little pebbles, small to medium, subrounded to subangular, poorly sorted, wet, light brown, no odor
53		0.0		SAND, medium to coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, wet, light brown, no odor
54	16.8	0.0		SAND, fine to coarse, subrounded to subangular; poorly sorted, wet, light brown, no odor
55		0.0		SAND, medium to coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, wet, light brown, no odor

End of Boring at 55 ft bgs.

Soil Boring Log

Sheet: 1 of 2

Project Name: OSJL Date Started: 05-27-2021 Logger: Agnes Link-Harrington
Project Number: 30088967 Date Completed: 05-27-2021 Editor: Dakota Downs
Project Location: Centereach, NY Weather Conditions: Clear

Depth (feet)	Rec. (in.)	PID (ppm)	Graphic	Description
1		0.0		ASPHALT
2	60	0.0		SAND, fine, rounded to subrounded; little pebbles, small, subrounded to subangular; trace silt, non plastic; well sorted, moist, orange brown, no odor
3		0.0		SAND, fine to very fine, rounded to subrounded; little silt, low plasticity to non plastic; trace pebbles, small, subrounded; well sorted, moist, orange brown, no odor
4		0.0		SAND, fine to very fine, rounded to subrounded; little silt, non plastic; well sorted, moist, light to orange brown, no odor
5	16.8	0.0		SAND, fine to very fine, rounded to subrounded; little silt, non plastic; well sorted, moist, tan, no odor
6		0.0		SAND, fine to very fine, rounded to subrounded; some silt, non plastic; well sorted, moist, brown, no odor
7	18	0.0		SAND, fine to very fine, rounded to subrounded; some silt, non plastic; well sorted, moist, orange brown, no odor
8		0.0		SAND, fine to very fine, rounded to subrounded; little silt, non plastic; well sorted, moist, light brown, no odor
9	21	0.1		SAND, fine to very fine, rounded to subrounded; some silt, non plastic; well sorted, moist, orange brown, no odor
10		0.0		SAND, fine to very fine, rounded to subrounded; little silt, non plastic; well sorted, moist, light brown, no odor
11		0.2		SAND, fine to very fine, rounded to subrounded; some silt, non plastic; well sorted, moist, orange brown, no odor
12	15	0.1		SAND, fine to very fine, rounded to subrounded; little silt, non plastic; well sorted, moist, light brown, no odor
13		0.1		SAND, fine to very fine, rounded to subrounded; some silt, non plastic; well sorted, moist, orange brown, no odor
14	22.8	0.3		SAND, fine to very fine, rounded to subrounded; little silt, non plastic; well sorted, moist, light brown, no odor
15		0.1		SAND, fine to medium, subrounded to subangular; AND PEBBLES, small to medium, angular to subangular; trace silt; poorly sorted, moist, brown, no odor
16				
17				
18		0.1		SAND, fine to very fine, rounded to subrounded; some silt, non plastic; trace pebbles, small, subrounded; well sorted, moist, brown, no odor
19	15	0.1		SAND, medium to coarse, subrounded to subangular; some pebbles, small to medium, angular to subrounded; poorly sorted, moist, light brown, no odor
20				
21				
22				
23		0.3		SAND, medium to coarse, subrounded to subangular; little pebbles, small, subangular to subrounded; poorly sorted, moist, brown, no odor
24	24	0.1		SAND, medium to coarse, subrounded to subangular; well sorted, moist, light brown, no odor
25		0.1		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, moist, brown, no odor
26				SAND, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
27				
28		0.0		SAND, medium, subrounded to subangular; AND PEBBLES, small to large, subrounded to subangular; poorly sorted, moist, brown, no odor
29	10.8	0.0		SAND, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
30				
31				
32				
33		0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to medium, angular to subrounded; poorly sorted, moist, light gray brown, no odor
34	6	0.0		
35				

Drilling Co.: Land Air Water Environmental Services
Driller: Kevin McCourty
Drilling Method: Hollow-Stem Auger
Drill Rig: Geoprobe
Comments: Water table encountered at approximately 47' below ground surface.

Sampling Method: Split Spoon
Sampling Interval: Continuous
Converted to Well: Yes

Soil Boring Log

Sheet: 2 of 2

Project Name: OSJL Date Started: 05-27-2021 Logger: Agnes Link-Harrington
 Project Number: 30088967 Date Completed: 05-27-2021 Editor: Dakota Downs
 Project Location: Centereach, NY Weather Conditions: Clear

Depth (feet)	Rec. (in.)	PID (ppm)	Graphic	Description
36				
37				
38		0.0		
39	9	0.0		SAND, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, moist, brown, no odor
40				SAND, medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted, moist, tan, no odor
41				
42				
43		0.0		
44	6	0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, moist, brown to light brown, no odor
45		0.0		
46	12	0.0		SAND, medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted, moist, brown, no odor
47		0.0		SAND, medium, subrounded to subangular; AND PEBBLES, medium to large, angular to subangular; poorly sorted, moist, light brown, no odor
48	3	0.0		SAND, medium to coarse, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, moist, light brown, no odor
49				SAND, coarse to very coarse, subrounded to subangular; AND PEBBLES, medium to large, subrounded to subangular; poorly sorted, wet/saturated, brown, no odor
50	9	0.0		
51		0.0		SAND, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; trace cobble, small; poorly sorted, wet, brown, no odor
52	6	0.0		SAND, fine to medium, subrounded to subangular; well sorted, wet, brown, no odor
53		0.0		SAND, medium to very coarse, subrounded to subangular; AND PEBBLES, medium to large, subrounded to subangular; poorly sorted, wet, brown, no odor
54	6	0.0		SAND, medium to coarse, subrounded to subangular; well sorted, wet, brown, no odor
55		0.0		SAND, coarse to very coarse, subrounded to subangular; AND PEBBLES, small to medium, subrounded to subangular; poorly sorted, wet, light brown, no odor

End of Boring at 55 ft bgs.

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