PERIODIC REVIEW REPORT
JUNE 2020 – SEPTEMBER 2021

JIMMY'S DRY CLEANERS SITE
ROOSEVELT, NEW YORK 11575

NYSDEC Site No. 130080
Work Assignment No. D009812-04



Prepared for:

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

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Executive Summary

Category	Summary/Results
Engineering Control	• Soil Vapor Extraction (SVE) System • Perimeter Fencing
Institutional Control	• The property may be used for Commercial or Industrial use only, in accordance with current zoning • SMP – OU-1 and OU-2 (2020) • Groundwater-Use Restriction
Site Classification	Class 2
Site Management Plan	SMP – OU-1 and OU-2 June 2020
Certification/Reporting Period	The Certification Period is defined as every 16 months in the SMP. The SMP requires a Periodic Review Report (PRR) to be completed every 16 months. The SMP requires annual reporting of groundwater and treatment system data.
Inspection	**Frequency**
1. Site Inspection 2. SVE System	Annually Monthly
Monitoring	**Frequency**
1. Groundwater	Annually
Prior PRR Recommendations	No prior PRRs or Site Management Reports (SMRs) have been prepared for the Site.
Site Management Activities	Seven Site inspections; two rounds of groundwater level measurements; two groundwater sampling events; one door-to-door coordination effort; one landscaping event; one SVE repair event; and three operation, maintenance, and monitoring (OM&M) inspections were completed during this reporting period (June 2020 - September 2021). • 7/8/2020 – Preliminary Site inspection. • 7/27/2020 – Deploy passive diffusion bags (PDBs) for groundwater sampling. Groundwater level measurements collected. • 8/7/2020 – Site inspection in response to SVE alarm. • 8/13/2020 & 8/14/2020 – Collect groundwater samples from 17 wells. All samples collected were submitted to Eurofins TestAmerica (Eurofins) for analysis of Target Compound List (TCL) Volatile Organic Compounds (VOCs) plus 10 tentatively identified compounds (TICs) via United States Environmental Protection Agency (USEPA) Method 8260C. Groundwater level measurements collected. • 10/15/2020 – SVE inspection and attempt to locate soil vapor monitoring (SVM) locations. • 12/29/2020 – Site inspection in response to SVE alarm. SVE stack observed broken. • 1/19/2021 – Annual Site inspection. • 1/22/2021 – OM&M inspection performed. • 2/11/2021 – Repair SVE effluent stack. • 2/17/2021 – OM&M inspection performed. • 3/16/2021 – OM&M inspection performed. • 3/23/2021 – Door-to-door follow-up to coordinate off-Site vapor intrusion sampling.

	• 5/17/2021 – Collect soil vapor samples. All samples collected were submitted to Eurofins for analysis of TCL VOCs via USEPA TO-15. • 8/12/2021 – Annual Site inspection. Deploy PDBs for groundwater sampling. Collect round of groundwater level measurements. • 8/26/2021 – Landscaping event. • 8/30/2021 & 8/31/2021 - Collect groundwater samples from 18 wells. All samples collected were submitted to Eurofins for analysis of TCL VOCs + 10 via USEPA Method 8260C. Groundwater level measurements collected. • 9/9/2021 – Site inspection in response to inclement weather.
Significant Findings or Concerns	• TRC could not locate monitoring well CMT-5 during inspections/sampling events. • A PDB remains at the bottom of monitoring well 2010-MW-8D. • Several vapor monitoring points and extraction wells have been covered by equipment and/or stacked wood during Site inspections.
Recommendations	1. Temporarily shut down the SVE system and conduct an off-Site vapor intrusion investigation. 2. Prepare and implement an SVE system pulsed restart work plan to evaluate the continued effectiveness of the system. 3. Maintain landscaping in the vicinity of the SVE system shed.
Cost Evaluation	The total cost of the Site management activities during this reporting period was $57,856. This cost includes engineering and subcontractor costs (e.g., laboratory, equipment, rentals, etc.). It should be noted that this total does not include any costs incurred by the NYSDEC in support of the project.
Green Remediation Metrics	Presented in **Appendix A**.

1.0 Introduction

This PRR has been prepared for the Jimmy's Dry Cleaners Site, located at 61 Nassau Road, Roosevelt, Nassau County, NY (the Site), and covers the period between June 2020 through September 2021. This PRR was prepared in accordance with the New York State Department of Environmental Conservation (NYSDEC) Department of Environmental Remediation (DER) Work Assignment (WA) No. D009812-04 Notice to Proceed dated February 27, 2020, the NYSDEC-approved amended Scope of Work dated July 20, 2020 (WA No. D009812-04.30) and NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation (NYSDEC DER-10). This PRR discusses the Site management activities performed by TRC and others during the referenced reporting period. A Site summary and applicable remedial program information are summarized below.

Site Information			
Site Name:	Jimmy's Dry Cleaner Site	**NYSDEC Site No:**	130080
Site Location:	61 Nassau Road, Roosevelt, Nassau County, NY	**Remedial Program:**	Inactive Hazardous Waste Disposal
Site Type:	Dry Cleaner	**Classification:**	02
Parcel Identification(s):	55.402.353, Nassau County Tax Map	**Parcel Acreage / EE Acreage:**	0.25
Selected Remedy:	Excavation, chemical oxidation, soil vapor extraction system, groundwater monitoring	**Site COC(s):**	• VOCs (primarily tetrachloroethene)
Current Remedial Program Phase:	Post Remedial Action Site Monitoring; Site Management	**Institutional Controls:**	• SMP – OU-1 and OU-2 (2020) • Land and groundwater use restrictions
Post-Remediation Monitoring and Sampling Frequency:	Site inspection (annual), groundwater monitoring (annual), SVE system (monthly)	**Engineering Controls:**	SVE system, site access controls, monitoring wells
Monitoring Locations:	19 Overburden monitoring wells	**Required Reporting:**	PRR – Every 16 months

1.1 Site Location, Ownership, and Description

The Site property is located at 61 Nassau Road in the Roosevelt, Nassau County, New York and is approximately 0.25 acres in size. The Site is recognized as Section 55, Block 402, Lot 11602 on the Nassau County Tax Map. The Site is currently owned by the estate of the prior owner, James Lawrence. No structures are located at the Site, which is currently utilized to stage vehicles.

The Site is bounded by a vacant lot followed by Taylor Avenue to the north, Nassau Road to the east, and a private construction storage yard to the south and west. A Site Location Map and Site Plan are shown on **Figure 1** and **Figure 2**, respectively.

1.2 Investigation/Remedial History

Dry cleaning operations were performed at the Site from an unknown date until November of 1998. In 1988, Nassau County Department of Health (NCDOH) observed leaking dry cleaning equipment and insufficient handling of hazardous waste that likely posed a risk to public and environmental health. Additionally, NCDOH noted the presence of an unregistered underground fuel oil tank, as well as the possibility of hazardous waste discharging to a nearby dry well. Soil and groundwater samples collected in 1994 confirmed the presence of chlorinated volatile organic compounds (CVOCs) at the Site. Subsequent investigations confirmed the same presence in soil vapor and indoor air downgradient from the Site. This led to the addition of the Site to the Registry of Inactive Waste Disposal Sites in New York (the Registry) as a Class 2 site.

A Remedial Investigation (RI) and Feasibility Study (FS) was conducted by Shaw Environmental & Infrastructure Engineering of New York, P.C (Shaw) from August 2001 to December 2002, with the purpose of defining the extent of contamination related to the former on-Site dry-cleaning activities. The RI concluded that tetrachloroethene (PCE) was the primary contaminant of concern in on-Site groundwater, soil, soil vapor, and indoor air, and that remediation of which would be necessary. The elevated concentrations of PCE were attributed to unsuitable hazardous waste storage and disposal practices of the former dry cleaner.

PCE was detected at concentrations above the New York State Department of Health (NYSDOH) Ambient Air Guidelines and Background Levels in the former Site building and an adjacent basement. An Interim Remedial Measure (IRM) consisting of a SVE system was implemented to mitigate the VOC concentrations in soil vapor affecting the general area and neighboring residences. The SVE system began operation on August 7, 2002, and reduced PCE in indoor air until it was replaced by a successive SVE system, as part of the final remedy.

The Site was divided into two operable units, OU-1 (on-Site soil and groundwater, and on-Site/near-Site soil vapor) and OU-2 (off-Site groundwater). The Feasibility Study (FS) Report for OU-1 was completed in January 2004. Subsequently, NYSDEC issued a Record of Decision (ROD) in March 2004, which included the selection of a more extensive SVE system to replace the system installed as part of the IRM, and the treatment of on-Site groundwater by means of in-situ chemical oxidation (ISCO). The FS Report for OU-2 was prepared in November 2007 and the ROD was issued in March 2008. Remedial objectives for both OU-1 and OU-2 consist of limiting the exposure (inhalation, ingestion, direct contact) of PCE and its degradation products to persons at and in the vicinity the Site, minimizing the release of contamination from groundwater to indoor air through soil vapor, and reducing VOC concentrations to or below the ambient groundwater quality standards in groundwater and Unrestricted Use and Residential Use Soil Cleanup Objectives (SCOs) in soil.

Remedial Action (RA) activities for OU-1 were conducted from June 2015 to May 2016 and included a pilot scale study and confirmation of suitable conditions for ISCO of groundwater contamination, design and implementation of an ISCO remedy, removal and off-Site disposal of soil within the source area, and design and construction of a more extensive SVE system to replace the system constructed as part of the IRM. The layout and process flow diagram depicting the current SVE system configuration is presented in **Appendix B**. RA activities for OU-2 were completed in December 2017. The selected remedy for OU-2 was ISCO for groundwater located within the contamination plume and long-term post-treatment groundwater monitoring.

A detailed Site history, including the dates and descriptions of significant events, and a Custodial Record detailing known and available Site reports, are included in **Appendix C**. Additional details are presented in the SMP as well as historic Site documents.

1.3 Remaining Contamination

Remedial actions for OU-1 and OU-2 are complete but chlorinated VOCs (primarily PCE) remain in on-Site and downgradient off-Site groundwater at concentrations greater than cleanup goals. Grossly contaminated unsaturated soils were excavated; however, there is a potential that PCE contaminated soil may remain beneath the water table in the former excavation area. As such, Site management activities consisting of inspections, OM&M of the SVE system, and groundwater monitoring are ongoing. Currently, there are no on-Site buildings that could be affected by the contamination via soil vapor intrusion and ongoing OM&M of the SVE system is designed to inhibit soil vapor intrusion to the adjacent off-Site structures. Chlorinated VOCs in groundwater at concentrations greater than cleanup goals extend approximately 2,290 feet to the south of the Site boundary. Residual contamination is managed under the Jimmy's Dry Cleaners SMP.

1.4 Regulatory Requirements/Remedial Controls

The remediation goals included in the OU-1 and OU-2 RODs are as follows:

- To eliminate or reduce to the extent practicable:
    - Exposures of persons at or around the Site to PCE and its degradation products in subsurface soil, groundwater, soil vapor, and indoor air;
    - The release of contaminants from soil into groundwater that may create exceedances of groundwater quality standards;
    - The release of contaminants from soils and groundwater into the indoor air through soil vapor;

Further, the cleanup goals for the Site include attaining to the extent practicable the following standards, criteria and guidance (SCGs):

- 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs);
- NYSDEC "Ambient Water Quality Standards and Guidance Values" (Class GA Values) and Part 5 of the New York State Sanitary Code; and
- NYSDOH Air Guideline Value for PCE.

2.0 Institutional and Engineering Control Plan Compliance

Since remaining contamination exists at the Site, Institutional Controls (ICs) and Engineering Controls (ECs) are required to protect human health and the environment. The IC/EC Plan documented in the SMP describes the procedures for the implementation and management of all IC/ECs at the Site.

2.1 Institutional Controls

A series of ICs is required by the ROD to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to remaining contamination: and (3) limit the use and development of the Site to Commercial and Industrial uses only. Adherence to Site ICs is required by the SMP. In accordance with the SMP, compliance with Site ICs is evaluated with respect to the following:

- The property may be used for Commercial and Industrial uses as defined by Part 375-1.8(g), subject to local zoning laws;
- All Engineering Controls must be operated and maintained as specified in the SMP;
- All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property (which includes OU-1 and OU-2) is prohibited without necessary water quality treatment as determined by the NYSDOH or the Nassau County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site Management must be reported at the frequency and in a manner defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement; and
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 2 of the SMP, and any potential impacts that are identified must be monitored or mitigated.

Institutional controls may not be discontinued without approval of NYSDEC.

2.2 Engineering Controls

The Engineering Controls for the Site include the SVE system. The SVE system is housed in a pre-manufactured shed and consists of nine SVE wells, five soil vapor monitoring probes, underground piping, one moisture separator, two regenerative blowers, blower effluent discharge piping, and two granular activated carbon (GAC) vessels. A SVE system layout and process flow diagram depicting the current SVE system configuration is presented in **Appendix B.**

2.2.1 Criteria for Completion of Remediation/Termination of Engineering Controls

2.2.1.1 Soil Vapor Extraction System

In accordance with the SMP, operation of the SVE system will not be discontinued unless prior written approval is granted by the NYSDEC. TRC is evaluating soil vapor intrusion at nearby properties and implementing an SVE System Pulsed Restart Work Plan in November 2021. In the event that vapor intrusion sampling and monitoring data indicates that the SVE system may no longer be required, a proposal to discontinue the system will be submitted to NYSDEC. Conditions that warrant discontinuing the SVE system include contaminant concentrations in groundwater and/or soil that: (1) reach levels that are consistently below ambient water quality standards or the site SCGs, as appropriate; (2) have become asymptotic to a low level over an extended period of time, as accepted by the NYSDEC; or (3) the NYSDEC has determined that the SVE system has reached the limit of its effectiveness. This assessment will be based in part on post-remediation contaminant levels in groundwater collected from monitoring wells located throughout the Site. The SVE system will remain in place and operational until permission to discontinue their use is granted in writing by the NYSDEC.

3.0 Monitoring and Sampling Plan Compliance

The SMP was prepared to manage remaining on-Site contamination and to ensure that the remedy remains effective by restricting Site use, Site development and soil movement on the property. The table below shows the SMP-specified monitoring and sampling activities for the Site and the dates those activities were completed:

Summary of SMP Site Monitoring and Sampling Plan				
Site Management Activity	**Frequency**	**Location**	**Analytical Method**	**Completion Date(s)**
Site Inspection	Annual (includes following inclement weather and SVE alarms)	Section 55, Block 402, Lot 11602	Not Applicable	7/8/2020, 8/7/2020, 10/15/2020, 12/29/2020, 1/19/2021, 8/12/2021 and 9/9/2021
Groundwater Sampling[1]	Annual	• CMT-1(3) • CMT-2(3) • CMT-3(3) • CMT-4(3) • CMT-5(3) • 2010-MW-1I • 2010-MW-2I • 2010-MW-3D • 2010-MW-3I • 2010-MW-4I • 2010-MW-5I • 2010-MW-8D • 2010-MW-9D • 2010-MW-10D • ITMW-2D • ITMW-3D • ITMW-4D • ITMW-4S • MW-EI	USEPA Method 8260C for TCL VOCs +10	8/14/2020 and 8/31/2021
SVE System Inspection and Sampling	Monthly[2]	Inspection: • SVE System Sampling: • VGAC-1 • VGAC-2	USEPA Method TO-15 for VOCs	10/15/2020[3], 1/22/2021, 2/11/2021[3], 2/17/2021, and 3/16/2021
Soil Vapor Monitoring	Annual	• SVM-1 • SVM-2 • SVM-3	USEPA Method TO-15 for VOCs	5/17/2021
PRR	Every 16 months	Not Applicable	Not Applicable	October 2021

Notes:
[1] Monitoring wells 2010-MW-3S, ITMW-1S, ITMW-1D, CMT-1(1), CMT-1(2), CMT-2(1), CMT-2(2), 2010-MW-4S, CMT-3(1), and CMT-3(2) were removed and monitoring wells CMT-4(3), CMT-5(3), 2010-MW-5I, 2010-MW-10D, ITMW-2D, ITMW-3D, and MW-EI were added to the monitoring well network in consultation with NYSDEC.
[2] Inspection and sampling and analysis of the SVE system influent and effluent for VOCs via USEPA Method TO-15 was discontinued following the March 16, 2021 event.
[3] Sampling and analysis of the SVE system was not performed during this event.
USEPA – United States Environmental Protection Agency
VOCs – Volatile organic compounds

3.1 Site Inspection

TRC conducted Site inspections for the period June 2020 to September 2021 in accordance with the SMP. The Site inspections were conducted to document the overall Site conditions, status of the SVE system components, and the condition of monitoring wells.

A summary of the Site inspections is presented below:

Summary of Site Activities and Site Monitoring and Sampling June 2020 to September 2021		
Site Management Activity	**Summary of Results**	**Maintenance/Corrective Measure**
Site and Monitoring Well Network Inspection	Annual Site inspections were performed on July 8, 2020, January 19, 2021, and August 12, 2021. Site inspections in response to SVE alarms were performed on August 7, 2020 and December 29, 2020. An inspection to locate SVMs was performed on October 15, 2020, and a post-storm inspection was performed on September 9, 2021. The inspected fencing and Site wells appeared to be in good condition. Monitoring well CMT-5 and several vapor monitoring probes and extraction wells were not able to be located during multiple Site inspections.	Stockpiled lumber observed during the December 29, 2020 inspection was removed from the Site by January 19, 2021. Landscaping of the overgrown vegetation around the remediation shed was performed on August 26, 2021.
OM&M Inspections	OM&M inspections were performed January 22, 2021, February 17, 2021, and March 16, 2021.	Repair of the SVE effluent stack was completed on February 11, 2021.

Summary of Site Activities and Site Monitoring and Sampling June 2020 to September 2021		
Site Management Activity	**Summary of Results**	**Maintenance/Corrective Measure**
Groundwater Gauging and Sampling	Groundwater measurements were collected and PDBs were deployed in 13 groundwater monitoring wells on July 27, 2020. Groundwater samples were collected from the PDBs and four monitoring wells (CMT-1, CMT-2, CMT-3, and CMT-4) were sampled utilizing USEPA low-flow sampling methods on August 13 and 14, 2020. Groundwater measurements were collected and PDBs were deployed in 13 groundwater monitoring wells on August 12, 2021. Groundwater samples were collected from the PDBs and five monitoring wells were sampled utilized USEPA low-flow sampling methods on August 30 and 31, 2021. Samples from each event were submitted to Eurofins/TestAmerica Laboratories for analysis of TCL VOCs + 10 TICS via USEPA Method 8260C (low level). A PDB remains at the bottom of monitoring well 2010-MW-8D.	None.

3.2 Operation, Maintenance, and Monitoring Plan Compliance

Environmental Assessment and Remediations (EAR) performed monthly OM&M inspections on January 22, 2021, February 17, 2021, and March 16, 2021. OM&M inspection reports, including performance data collected by EAR, are presented in **Appendix D**.

The table below summarizes compliance with respect to performance objectives and standards established in the SMP and SVE system OM&M manual.

Summary of Operation, Maintenance, and Monitoring Plan Compliance		
Performance Objective/Standard	**Compliance Summary**	**Comments**
Extract soil gas containing VOC vapors	The SVE system has operated with 100% uptime since EAR began OM&M activities in January 2021. A total of 0.231 pounds of total VOCs were removed between January and March 2021.	Water was detected in the piping of each of the vapor extraction wells and SVE-8R is closed.
Produce and maintain a minimum differential pressure of 15 inches of water across the system above the initial differential pressure	Beginning in January 2021, a vacuum of 15 inches of water column was achieved at each SVE well.	
Water (condensate) generated by the SVE system shall be properly disposed of.	The moisture separator has been 33% full during each of the OM&M inspections between January 2021 and March 2021. No condensate was transported off-Site for disposal during the reporting period.	

3.3 SVE System Performance Summary

The existing SVE system was installed in April 2016 and has operated since April 27, 2016. EAR performed monthly OM&M inspections from January 2021 to March 2021. The system operated during the reporting period without any downtime. No major repairs or improvements to the SVE system were performed during the reporting period, other than the repair of the SVE effluent stack on February 11, 2021. Concentrations of PCE detected in extracted soil vapor ranged from 23 micrograms per cubic meter (µg/m3) (February 2021) to 160 µg/m3 (March 2021). An estimated 0.231 pounds of total VOCs was removed from soil vapor between January 2021 and March 2021. A chart presenting total VOCs recovery trends is presented in **Appendix E**.

3.4 Groundwater Monitoring Summary

3.4.1 Groundwater Gauging

On July 27, 2020, and August 10, 2021, prior to deployment of the PDBs, all wells, except CMT-1 through CMT-5, were gauged for depth to groundwater to evaluate potential groundwater flow directions. During the 2021 groundwater gauging event, a depth to groundwater measurement could not be collected from 2010-MW-1I. Additionally, survey data is not available for MW-EI, and depth to water calculations were collected from 2010-MW-8D at a later date, therefore, depth to groundwater measurements collected from these monitoring wells were not used in the groundwater contour calculations. The Site monitoring wells are all screened in the overburden hydrogeologic unit. The potentiometric surface contours with an interpretation of groundwater flow direction for

the overburden wells is presented on **Figure 3**. The groundwater gauging and elevation measurements can be found on **Table 1**. A summary of the hydrogeologic information is presented below:

July 2020 Hydrogeologic Summary			
Number of Gauged Wells	**Hydrogeologic Units**	**Hydrogeologic Strata**	**Monitoring Wells**
13	1	Overburden	ITMW-2D, ITMW-3D, ITMW-4D, ITMW-4S, 2010-MW-1I, 2010-MW-2I, 2010-MW-3I, 2010-MW-3D, 2010-MW-4I, 2010-MW-5I, 2010-MW-8D, 2010-MW-9D, 2010-MW-10D
Overburden Groundwater Elevation Range			
Lowest groundwater elevation: 5.52 feet AMSL (ITMW-3D) Highest groundwater elevation: 15.21 feet AMSL (2010-MW-1I and 2010-MW-2I)			
Inferred Overburden Groundwater Flow Direction			
South-Southwest			
August 2021 Hydrogeologic Summary			
Number of Gauged Wells	**Hydrogeologic Units**	**Hydrogeologic Strata**	**Monitoring Wells**
11	1	Overburden	ITMW-2D, ITMW-3D, ITMW-4D, ITMW-4S, 2010-MW-2I, 2010-MW-3I, 2010-MW-3D, 2010-MW-4I, 2010-MW-5I, 2010-MW-9D, 2010-MW-10D
Overburden Groundwater Elevation Range			
Lowest groundwater elevation: 10.69 feet AMSL (ITMW-3D) Highest groundwater elevation: 15.83 feet AMSL (2010-MW-2I)			
Inferred Overburden Groundwater Flow Direction			
South-Southwest			

Note:
NAVD88 – North American Vertical Datum 1988

3.4.2 Groundwater Sampling

TRC conducted two annual groundwater sampling events during the reporting period. TRC collected groundwater samples from 13 on and off-Site monitoring wells utilizing PDBs and 4 off-Site wells utilizing standard low-flow sampling techniques on August 13 and 14, 2020, and from 13 on and off-Site monitoring wells utilizing PDBs and 5 off-Site wells utilizing standard low-flow sampling techniques on August 30 and 31, 2021.

Low-flow groundwater sampling logs can be found in **Appendix F**. All groundwater samples, in addition to QA/QC samples collected at the frequencies specified in TRC's July 2020 Generic QAPP, were submitted to Eurofins/TestAmerica Laboratories for analysis of Target Compound List (TCL) volatile organic compounds (VOCs) + 10 TICS via USEPA Method 8260 (low level).

A summary of the groundwater sampling information and pertinent well details for each well is presented below:

Summary of Groundwater Monitoring and Sampling Activities
August 2020 and August 2021

Well ID	Monitoring Well Details				Groundwater Sampling Event		
	Northing[1]	Easting[1]	Screen Zone (ft. bgs)	Unit Screened	DTW (ft. below TOC)	Analytes	Notes
CMT-1(3)	184208.38	1098440.47	99.50 - 100.00	Overburden	NM (2020)	VOCs	
					8.85 (2021)	VOCs	
CMT-2(3)	183681.71	1098705.92	99.50 – 100.00	Overburden	NM (2020)	VOCs	
					NM (2021)	VOCs	
CMT-3(3)	183320.43	1098348.65	104.50 – 105.00	Overburden	NM (2020)	VOCs	
					NM (2021)	VOCs	
CMT-4(3)[2]	183222.27	1098004.85	94.50 – 95.00	Overburden	NM (2020)	VOCs	
					NM (2021)	VOCs	
CMT-5(3)[2]	181868.31	1098526.65	82.50 – 83.00	Overburden	NS	NS	Well could not be located.
ITMW-2D[2]	182648.93	1098418.67	92.00 – 102.00	Overburden	14.32 (2020)	VOCs	
					12.73 (2021)	VOCs	
ITMW-3D[2]	181306.01	1098652.19	80.00 – 90.00	Overburden	19.63 (2020)	VOCs	
					14.46 (2021)	VOCs	
ITMW-4S	184098.07	1097682.29	55.00 – 65.00	Overburden	18.81 (2020)	VOCs	
					18.34 (2021)	VOCs	
ITMW-4D	184098.83	1097687.83	95.00 – 105.00	Overburden	19.30 (2020)	VOCs	
					18.59 (2021)	VOCs	
2010-MW-1I	184646.86	1098326.89	65.00 – 75.00	Overburden	14.27 (2020)	VOCs	

Summary of Groundwater Monitoring and Sampling Activities August 2020 and August 2021							
Well ID	Monitoring Well Details				Groundwater Sampling Event		
	Northing[1]	Easting[1]	Screen Zone (ft. bgs)	Unit Screened	DTW (ft. below TOC)	Analytes	Notes
					NM (2021)	VOCs	
2010-MW-2I	184606.56	1098046.63	65.00 – 75.00	Overburden	19.54 (2020)	VOCs	
					18.92 (2021)	VOCs	
2010-MW-3I	184170.32	1098173.23	65.00 – 75.00	Overburden	16.79 (2020)	VOCs	
					16.14 (2021)	VOCs	
2010-MW-3D	184160.55	1098109.19	140.00 – 150.00	Overburden	18.09 (2020)	VOCs	
					17.45 (2021)	VOCs	
2010-MW-4I	183353.27	1098513.84	67.00 – 77.00	Overburden	10.79 (2020)	VOCs	
					10.05 (2021)	VOCs	
2010-MW-5I[2]	182671.12	1098642.99	65.00 – 75.00	Overburden	11.67 (2020)	VOCs	
					10.97 (2021)	VOCs	
2010-MW-8D	184193.29	1098332.35	140.00 – 150.00	Overburden	12.96 (2020)	NS	
					11.70 (2021)	VOCs	
2010-MW-9D	183913.03	1098312.31	140.00 – 150.00	Overburden	13.30 (2020)	VOCs	
					12.48 (2021)	VOCs	
2010-MW-10D[2]	183009.03	1098292.69	140.00 – 150.00	Overburden	14.74 (2020)	VOCs	
					13.75 (2021)	VOCs	
MW-EI[2]	Not Available	Not Available	Not Available	Overburden	17.33 (2020)	VOCs	
					16.62 (2021)	VOCs	

Notes:
[1] Northing and Easting coordinates are presented in North American Datum 1983 New York State Plane, Long Island Zone, US Foot.
[2] Monitoring wells 2010-MW-3S, ITMW-1S, ITMW-1D, CMT-1(1), CMT-1(2), CMT-2(1), CMT-2(2), 2010-MW-4S, CMT-3(1), and CMT-3(2) were removed and monitoring wells CMT-4(3), CMT-5(3), 2010-MW-5I, 2010-MW-10D, ITMW-2D, ITMW-3D, and MW-EI were added to the monitoring well network in consultation with NYSDEC.
DTW – Depth to water.
ft. bgs – Feet below ground surface.
TOC – Top of casing.
NM – Not measured.
NS – Not sampled.

A complete table with well construction details is in included in **Appendix C**.

3.4.3 Groundwater Sample Results

Groundwater analytical data for VOCs can be found in **Table 2**. The Data Usability Summary Reports (DUSR) can be found in **Appendix G**. PCE was detected at concentrations greater than the applicable SCG in groundwater samples collected from four monitoring wells in August 2020 (CMT-1(3), CMT-3(3), 2010-MW-3I, and 2010-MW-9D) and eight monitoring wells in August 2021 (CMT-1(3), ITMW-2D, 2010-MW-1I, 2010-MW-3I, 2010-MW-8D, 2010-MW-9D, 2010-MW-10D, and MW-EI). Cis-1,2-dichloroethene was detected at concentrations greater than the applicable SCG in groundwater samples collected from three monitoring wells in August 2021 (CMT-3(3), ITMW-2D, and 2010-MW-10D). Methylene chloride was detected at concentrations greater than the applicable SCG in groundwater samples collected from two monitoring wells in August 2021 (2010-MW-2I and 2010-MW-3D). Trichloroethene (TCE) was detected at concentrations greater than the applicable SCG in groundwater samples collected from two monitoring wells in August 2021 (CMT-3(3) and ITMW-2D). Detected compounds exceeding their respective SCGs for each well are illustrated on **Figure 4**. A summary of the August 2020 and August 2021 groundwater analytical results is presented below:

Exceedance Summary of Laboratory Analytical Results in Groundwater

Constituent	SCG	Concentration Range (µg/L)	Location with Highest Detection	Frequency Exceeding SCG
August 2020 - VOCs				
Tetrachloroethene	5	ND – 250	MW-9D	4/17
August 2021 - VOCs				
Cis-1,2-dichloroethene	5	ND – 7.0	ITMW-2D	3/18
Methylene Chloride	5	ND – 12	2010-MW-2I	2/18
Tetrachloroethene	5	ND – 1,900	ITMW-2D	8/18
Trichloroethene	5	ND – 10	CMT-3(3)	2/18

Notes:
ND - Not detected.

Groundwater concentration trend graphs for four monitoring wells MW-EI, 2010-MW-9D, ITMW-2D, and ITMW-3D are presented in **Figure 6**. Monitoring well MW-EI is located on-Site. 2010-MW-9D is located approximately 1,020 feet down gradient of the Site. ITMW-2D is located approximately 2,290 feet downgradient of the Site and is the most impacted well. ITMW-3D is located approximately 3,640 feet downgradient of the Site.

3.4.4 Soil Vapor Sample Results

Soil vapor analytical data for VOCs can be found in **Table 3**. The laboratory data packages can be found in **Appendix H**. Neither PCE nor its daughter products (e.g., TCE, cis-1,2-dichlorothene, and vinyl chloride) were detected in any of the samples collected.

4.0 Cost Summary

The total estimated cost of TRC's management activities for 2020 and 2021 (June 2020 through September 2021) is approximately $57,856. Site management activities during the reporting period included seven Site inspections, sampling of 17 monitoring wells and analyses of 17 samples for TCL VOCs in August 2020, sampling of 18 monitoring wells and analysis of 18 samples for TCL VOCs in August 2021, one door-to-door coordination effort, sampling of three SVM locations in May 2021, one landscaping event, and preparation of a PRR. The total includes engineering and subcontractor costs, as well as expenses associated with the project. It should be noted that the total does not include costs incurred by NYSDEC for project support. A summary of the 2020 and 2021 site management costs is presented below:

Summary of Site Management Costs June 1, 2020 through September 30, 2021		
Cost Item	**Amount Expended (June 1, 2020 through September 30, 2021)**	**Percent of Total Cost**
Engineering Support		
TRC	$54,684	95%
Expenses		
TRC	$3,172	5%
Total Cost	**$57,856**	----

The following provides a review of each cost item:

- Engineering support includes labor costs associated with project management (e.g., WA Package preparation, monthly invoicing, project scheduling and coordination, etc.), Site inspections, groundwater sampling, and reporting (i.e., Site inspection report and DUSR).
- Expense costs include travel, equipment, and supplies in support of the Site inspection, groundwater sampling event and routine Site maintenance activities.

Since the SVE system removed approximately 0.231 pounds of total VOCs during the reporting period the estimated cost per pound removed (excluding direct costs to NYSDEC) is approximately $250,459. It should be noted that this cost is biased high due to non-recurring costs associated with WA Package preparation and initial coordination with EAR during this reporting period. Additionally, total VOC removal rates were only monitored between January 2021 and March 2021.

5.0 Conclusions and Recommendations

5.1 Conclusions

- The SVE system is being operated in accordance with the SMP. The SVE system operated without downtime during the reporting period. An estimated 0.231 pounds of total VOCs were removed between January 2021 and March 2021. The estimated cost (excluding direct costs to NYSDEC) to remove a pound of total VOCs from soil vapor was $250,459.
- Based on groundwater elevations measured in July 2020 and August 2021, groundwater flow in overburden hydrogeologic unit is to the south-southwest. This observation is consistent with historical observations.
- PCE, the primary Site COC, was detected at concentrations exceeding the applicable SCG in 4 of 17 groundwater samples collected in August 2020 and 8 of 18 groundwater samples collected in August 2021 from the Site. Overall, detections of PCE were low (below 100 µg/L) except for the groundwater samples collected from 2010-MW-9D in August 2020 (250 µg/L) which reduced to 90 ug/L by August 2021, and ITMW-2D (1,900 µg/L) in August 2021. The highest PCE concentration (1,900 µg/L) was detected in ITMW-2D. This data is consistent with historical results and indicates the groundwater plume is stable.
- Site and groundwater use are consistent with the restrictions set forth in the RODs and the SMP. Groundwater monitoring activities were completed in August 2020 and August 2021. Seven Site inspections and Site inspection reports were also completed. The ICs operated as intended this reporting period.
- The remedy continued to be protective of human health and the environment this reporting period.

5.2 Recommendations

- Annual Site inspections should continue to verify the ICs and ECs are in-place and effective and to observe any future development of the Site. One Site inspection report should also be completed following the inspection event.
- The SVE system should be temporarily shut down and an off-Site vapor intrusion investigation should be conducted. Following completion of the vapor intrusion investigation restart of the SVE system should be performed in accordance with a pulsed-restart plan to evaluate the continued effectiveness of the system.
- The Certification Period should remain at 16 months with a PRR frequency of one report every 16 months. The certification period should begin October 2021 and end January 2023, with the next PRR covering the reporting period beginning October 1, 2021 and ending January 31st 2023.
- Water level measurements should continue to be collected at the 19 Site monitoring wells sampled during groundwater monitoring events.
- Landscaping in the vicinity of the SVE system shed should be maintained.

- The SMP should be revised to reflect the above changes/modifications if the changes are acceptable to the Department.

6.0 Certification of Engineering and Institutional Controls

For each institutional or engineering control identified for the Site, I certify that all the following statements are true:

- The inspections of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program were performed under my direction;
- The institutional and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of such control to protect public health and the environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control.
- Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- If a financial assurance mechanism is required under the oversight document for the Site, the mechanism remains valid and sufficient for the intended purpose under the document;
- Use of the Site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practice; and
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Kevin Boger, of TRC Engineers, Inc., am certifying as Owner's/Remedial Party's Designated Site Representative for the Site.



Signature



105387

NYS Professional Engineer No.

April 20, 2022

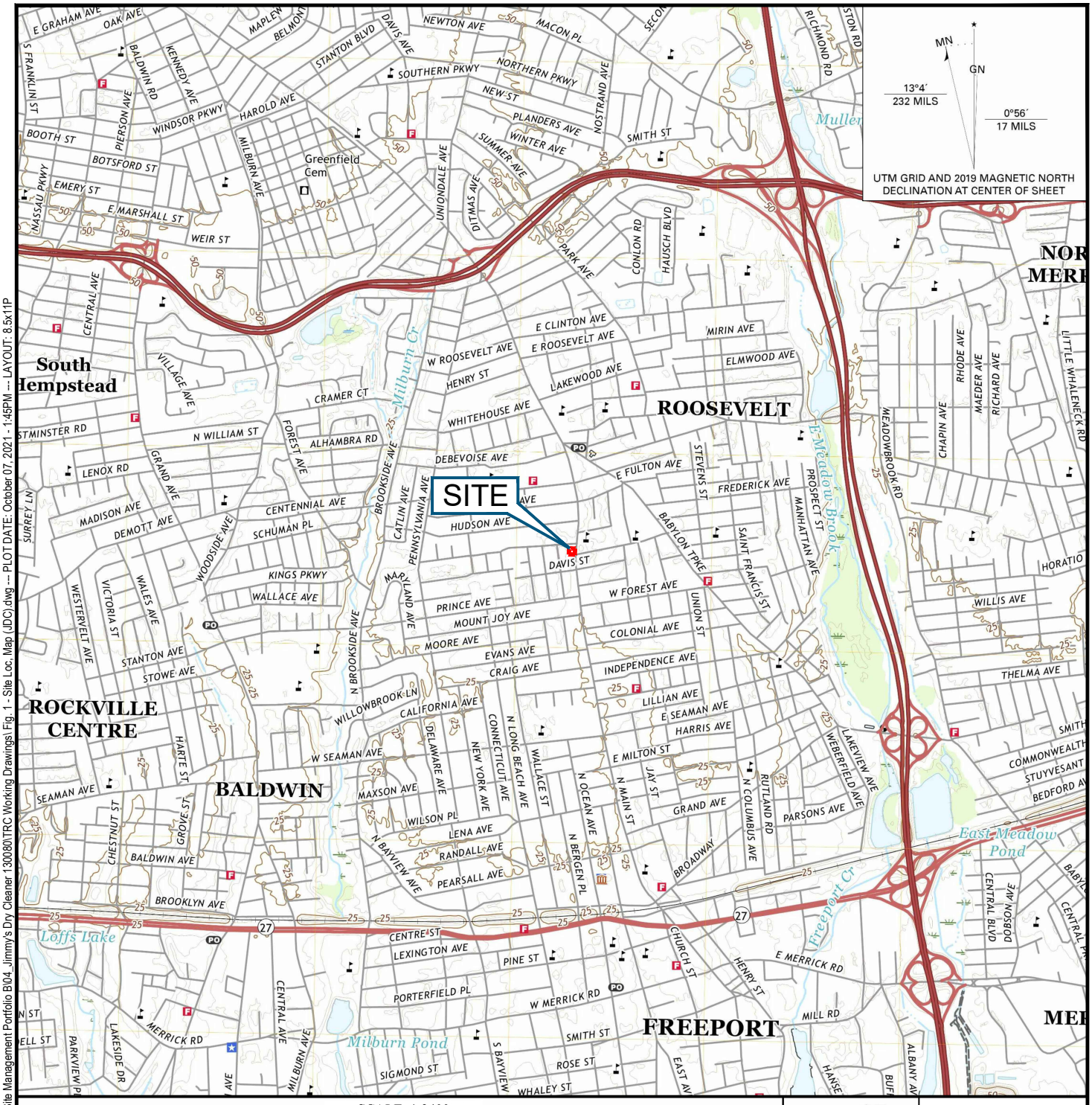
Date

7.0 Future Site Activities

Based on the recommendations in Section 5, the following site management activities will be completed during the next PRR reporting period (October 2021 to January 2023):

- Vapor Intrusion Investigation and SVE System Pulsed Restart – November 2021
- Site Inspections – Annual (next scheduled: Q3 2022)
- Groundwater – Annual (next scheduled: Q3 2022)
- PRR – Every 16 months (next scheduled: Q1 2023)

Figures



SCALE: 1:2400

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

1 0.5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

FEET



MAP INCLUDES INFORMATION FROM THE FOLLOWING MAP SHEET(S): TP, FREEPORT, NY, 7.5 MINUTE DATED 2019.

MAP OBTAINED THROUGH USE OF TOPOVIEW WITH THE INTERFACE CREATED BY THE NATIONAL GEOLOGIC MAP DATABASE PROJECT (NGMDB), IN SUPPORT OF THE TOPOGRAPHIC MAPPING PROGRAM, MANAGED BY THE USGS NATIONAL GEOSPATIAL PROGRAM (NGP).

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PROJECT:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SITE MANAGEMENT PORTFOLIO B
TASK NO. 4 - JIMMY'S DRY CLEANERS - SITE NO. 130080
61 NASSAU ROAD, ROOSEVELT, NASSAU COUNTY, NEW YORK

TITLE:

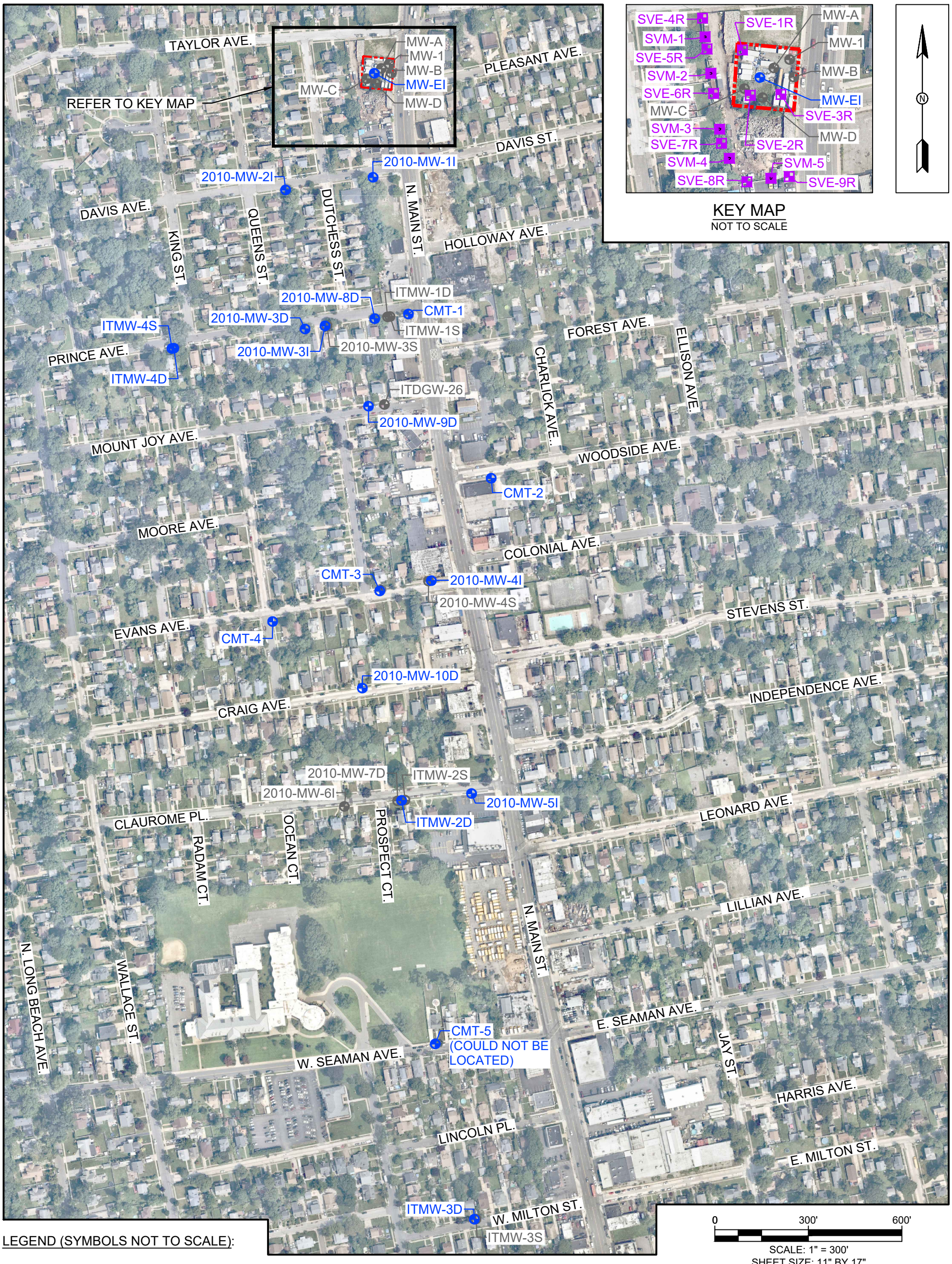
SITE LOCATION MAP

DRAWN BY:	H. DELGADO
CHECKED BY:	A. RAPOSO
APPROVED BY:	D. WARREN
DATE:	OCTOBER 2021
PROJ. NO.:	386554.0004.0000
FILE:	Fig. 1 - Site Loc, Map (JDC).dwg

FIGURE 1

8.5x11 --- ATTACHED XREF'S: --- ATTACHED IMAGES: NY_Freeport_20190925_TM;
DRAWING NAME: B:\NYSDEC\D009812\Work Assignments\D009812-04 Site Management Portfolio B\04_Jimmy's Dry Cleaner 130080\TRC Working Drawings\ Fig. 1 - Site Loc, Map (JDC).dwg --- PLOT DATE: October 07, 2021 - 1:45PM --- LAYOUT: 8.5x11P

11x17 --- USER: HDelgado --- ATTACHED XREFS: --- ATTACHED IMAGES: EPSG2263_20210706; EPSG2263_20210706_z1; SVE and SVM locations (002);
DRAWING NAME: B:\NYSDEC\D009812\Work Assignments\D009812-04 Site Management Portfolio B\04_Jimmy's Dry Cleaner 130080\TRC Working Drawings\ Fig. 2 - Site Plan (JDC).dwg --- PLOT DATE: October 21, 2021 - 10:31PM --- LAYOUT: 11X17L
Version: 2017-10-21



LEGEND (SYMBOLS NOT TO SCALE):

- SITE BOUNDARY
- 2010-MW-##, CMT-##, ITMW-## — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW-##, 2010-MW-##, ITMW-## — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (NOT INLUDED IN ANNUAL MONITORING WELL NETWORK)
- SVE-## — SOIL VAPOR EXTRACTION WELL LOCATION AND IDENTIFICATION NUMBER
- SVM-## — VAPOR MONITORING POINT LOCATION AND IDENTIFICATION NUMBER

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE, UNLESS STATED OTHERWISE .
2. BASEMAP IMAGERY SOURCED FROM NEARMAP DATED JULY 6, 2021.
3. MONITORING WELL LOCATIONS TAKEN FROM THE JUNE 2020 SITE MANAGEMENT PLAN PREPARED BY ARCADIS US, INC.
4. SOIL VAPOR EXTRACTION WELL AND VAPOR MONITORING POINT LOCATIONS TAKEN FROM THE FEBRUARY 2, 2017 ALTA/NSPS LAND TITLE SURVEY OF PROPERTY OF BREEN CAPITOL INVESTMENT CORPORATION PREPARED BY L. K. MCLEAN ASSOCIATES, P.C.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SITE MANAGEMENT PORTFOLIO B
TASK NO. 4 - JIMMY'S DRY CLEANERS - SITE NO. 130080
61 NASSAU ROAD, ROOSEVELT, NASSAU COUNTY, NEW YORK

TITLE:
SITE PLAN

DRAWN BY:	H. DELGADO	PROJ NO.:	386554.0004.0000
CHECKED BY:	A. RAPOSO		
APPROVED BY:	D. WARREN		**FIGURE 2**
DATE:	OCTOBER 2021		

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FILE NO.: Fig. 2 - Site Plan (JDC).dwg

11x17 --- USER: HDelgado --- ATTACHED XREFS: --- ATTACHED IMAGES: EPSG2263_20210706; EPSG2263_20210706_z1;
DRAWING NAME: B:\NYSDEC\D009812\Work Assignments\D009812-04 Site Management Portfolio B\04_Jimmy's Dry Cleaner 130080\TRC Working Drawings\ Fig. 3 - GWSE & Flow Map - 08.10.2021 (JDC).dwg --- PLOT DATE: October 20, 2021 - 12:19AM --- LAYOUT: 11X17L
Version: 2017-10-21



KEY MAP
NOT TO SCALE

LEGEND (SYMBOLS NOT TO SCALE):

- SITE BOUNDARY
- 2010-MW-##, CMT-##, ITMW-## — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW-##, 2010-MW-##, ITMW-## — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (NOT INCLUDED IN ANNUAL MONITORING WELL NETWORK)
- 12.47 — GROUNDWATER SURFACE ELEVATION (IN FEET)
- 15.00 — GROUNDWATER ELEVATION CONTOUR (0.50' INTERVALS)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE, UNLESS STATED OTHERWISE.
2. BASEMAP IMAGERY SOURCED FROM NEARMAP DATED JULY 6, 2021.
3. MONITORING WELL LOCATIONS TAKEN FROM THE JUNE 2020 SITE MANAGEMENT PLAN PREPARED BY ARCADIS US, INC.
4. ELEVATIONS ARE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
5. A SURVEYED ELEVATION FOR MW-EI IS NOT AVAILABLE.
6. GROUNDWATER SURFACE ELEVATION CONTOURS WERE GENERATED USING MEASUREMENTS COLLECTED FROM ITMW-2D, ITMW-3D, ITMW-4D, ITMW-4S, 2010-MW-2I, 2010-MW-3I, 2010-MW-3D, 2010-MW-4I, 2010-MW-5I, 2010-MW-9D, AND 2010-MW-10D ON AUGUST 10, 2021.

0 300' 600'

SCALE: 1" = 300'
SHEET SIZE: 11" BY 17"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SITE MANAGEMENT PORTFOLIO B
TASK NO. 4 - JIMMY'S DRY CLEANERS - SITE NO. 130080
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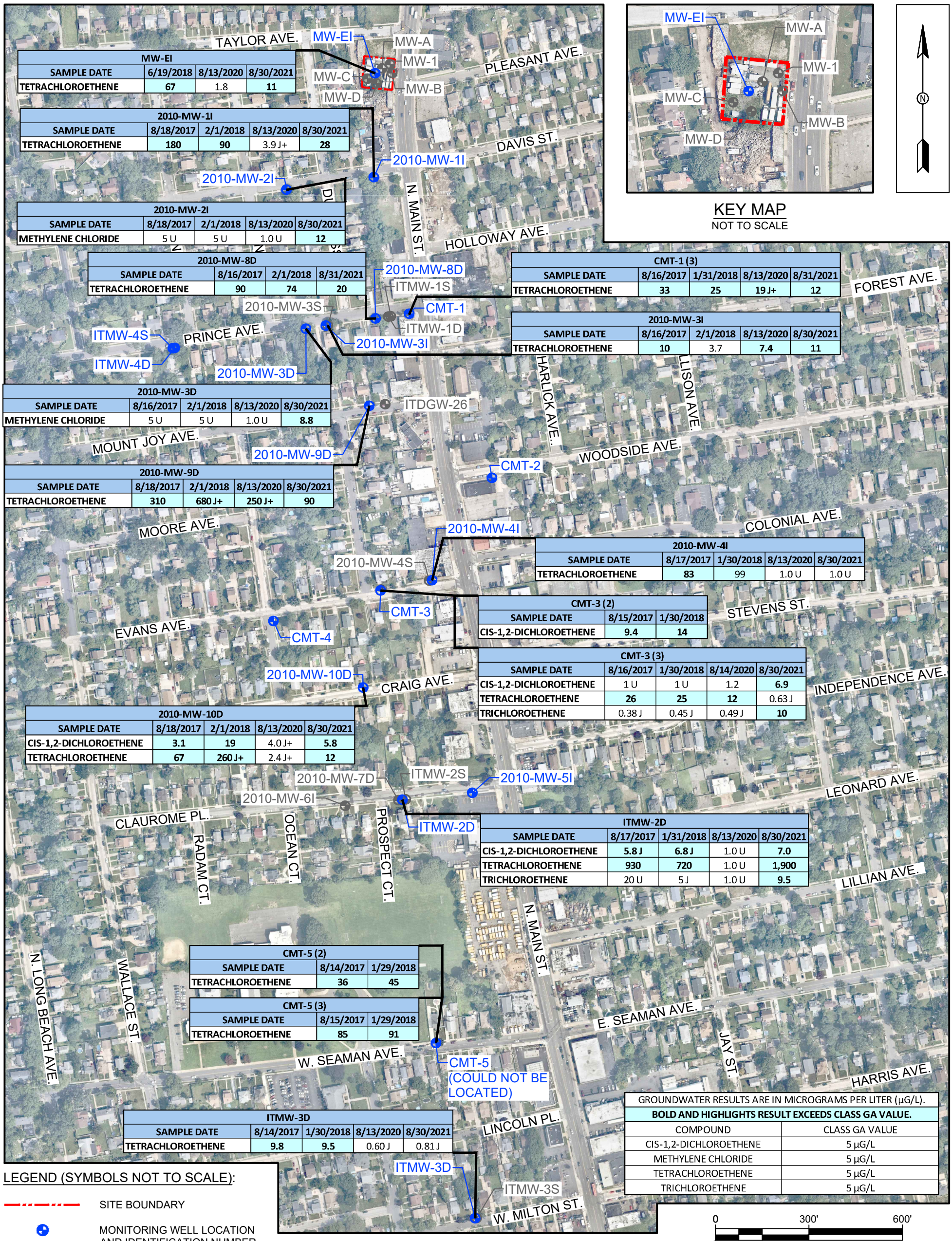
TITLE:
GROUNDWATER SURFACE ELEVATIONS AND FLOW MAP - AUGUST 10, 2021

DRAWN BY:	H. DELGADO	PROJ NO.:	386554.0004.0000
CHECKED BY:	A. RAPOSO		
APPROVED BY:	D. WARREN		**FIGURE 3**
DATE:	OCTOBER 2021		

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FILE NO.: Fig. 3 - GWSE & Flow Map - 08.10.2021 (JDC).dwg

11x17 --- USER: HDelgado --- ATTACHED XREFS: --- ATTACHED IMAGES: EPSG2263_20210706; EPSG2263_20210706_z1;
DRAWING NAME: B:\NYSDEC\D009812\Work Assignments\D009812-04 Site Management Portfolio B\04_Jimmy's Dry Cleaner 130080\TRC Working Drawings\ Fig. 4 - VOCs in GW ACGAV (JDC).dwg --- PLOT DATE: October 21, 2021 - 5:45PM --- LAYOUT: 11X17L
Version: 2017-12-21



MW-EI			
SAMPLE DATE	6/19/2018	8/13/2020	8/30/2021
TETRACHLOROETHENE	67	1.8	11

2010-MW-1I				
SAMPLE DATE	8/18/2017	2/1/2018	8/13/2020	8/30/2021
TETRACHLOROETHENE	180	90	3.9 J+	28

2010-MW-2I				
SAMPLE DATE	8/18/2017	2/1/2018	8/13/2020	8/30/2021
METHYLENE CHLORIDE	5 U	5 U	1.0 U	12

2010-MW-8D			
SAMPLE DATE	8/16/2017	2/1/2018	8/31/2021
TETRACHLOROETHENE	90	74	20

CMT-1 (3)				
SAMPLE DATE	8/16/2017	1/31/2018	8/13/2020	8/31/2021
TETRACHLOROETHENE	33	25	19 J+	12

2010-MW-3I				
SAMPLE DATE	8/16/2017	2/1/2018	8/13/2020	8/30/2021
TETRACHLOROETHENE	10	3.7	7.4	11

2010-MW-3D				
SAMPLE DATE	8/16/2017	2/1/2018	8/13/2020	8/30/2021
METHYLENE CHLORIDE	5 U	5 U	1.0 U	8.8

2010-MW-9D				
SAMPLE DATE	8/18/2017	2/1/2018	8/13/2020	8/30/2021
TETRACHLOROETHENE	310	680 J+	250 J+	90

2010-MW-4I				
SAMPLE DATE	8/17/2017	1/30/2018	8/13/2020	8/30/2021
TETRACHLOROETHENE	83	99	1.0 U	1.0 U

CMT-3 (2)		
SAMPLE DATE	8/15/2017	1/30/2018
CIS-1,2-DICHLOROETHENE	9.4	14

CMT-3 (3)				
SAMPLE DATE	8/16/2017	1/30/2018	8/14/2020	8/30/2021
CIS-1,2-DICHLOROETHENE	1 U	1 U	1.2	6.9
TETRACHLOROETHENE	26	25	12	0.63 J
TRICHLOROETHENE	0.38 J	0.45 J	0.49 J	10

2010-MW-10D				
SAMPLE DATE	8/18/2017	2/1/2018	8/13/2020	8/30/2021
CIS-1,2-DICHLOROETHENE	3.1	19	4.0 J+	5.8
TETRACHLOROETHENE	67	260 J+	2.4 J+	12

ITMW-2D				
SAMPLE DATE	8/17/2017	1/31/2018	8/13/2020	8/30/2021
CIS-1,2-DICHLOROETHENE	5.8 J	6.8 J	1.0 U	7.0
TETRACHLOROETHENE	930	720	1.0 U	1,900
TRICHLOROETHENE	20 U	5 J	1.0 U	9.5

CMT-5 (2)		
SAMPLE DATE	8/14/2017	1/29/2018
TETRACHLOROETHENE	36	45

CMT-5 (3)		
SAMPLE DATE	8/15/2017	1/29/2018
TETRACHLOROETHENE	85	91

ITMW-3D				
SAMPLE DATE	8/14/2017	1/30/2018	8/13/2020	8/30/2021
TETRACHLOROETHENE	9.8	9.5	0.60 J	0.81 J

KEY MAP
NOT TO SCALE

GROUNDWATER RESULTS ARE IN MICROGRAMS PER LITER (µG/L).	
BOLD AND HIGHLIGHTS RESULT EXCEEDS CLASS GA VALUE.	
COMPOUND	CLASS GA VALUE
CIS-1,2-DICHLOROETHENE	5 µG/L
METHYLENE CHLORIDE	5 µG/L
TETRACHLOROETHENE	5 µG/L
TRICHLOROETHENE	5 µG/L

0 300' 600'
SCALE: 1" = 300'
SHEET SIZE: 11" BY 17"

LEGEND (SYMBOLS NOT TO SCALE):

- SITE BOUNDARY
- 2010-MW-##, CMT-##, ITMW-## — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW-##, 2010-MW-##, ITMW-## — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (NOT INCLUDED IN ANNUAL MONITORING WELL NETWORK)

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE, UNLESS STATED OTHERWISE.
2. BASEMAP IMAGERY SOURCED FROM NEARMAP DATED JULY 6, 2021.
3. MONITORING WELL LOCATIONS TAKEN FROM THE JUNE 2020 SITE MANAGEMENT PLAN PREPARED BY ARCADIS US, INC.
4. GROUNDWATER MONITORING WELLS CMT-1(3), CMT-2(3), CMT-3(3), CMT-4(3), CMT-5(3), ITMW-2D, ITMW-3D, ITMW-4D, ITMW-4S, 2010-MW-1I, 2010-MW-2I, 2010-MW-3I, 2010-MW-3D, 2010-MW-4I, 2010-MW-5I, 2010-MW-8D, 2010-MW-9D, 2010-MW-10D, AND MW-EI ARE INLCUDED IN THE ANNUAL MONITORING NETWORK.
5. FOR CLARITY, ONLY WELLS SAMPLED AS PART OF THE ANNUAL GROUNDWATER SAMPLING PROGRAM ARE SHOWN.
6. ONLY VOLATILE ORGANIC COMPOUNDS WHICH EXCEED CLASS GA VALUES ARE SHOWN IN DATA BOXES.
7. U - ANALYTE WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
8. J/J+ - ESTIMATED VALUE/ESTIMATED VALUE, BIASED HIGH
9. µG/L - MICROGRAMS PER LITER

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SITE MANAGEMENT PORTFOLIO B
TASK NO. 4 - JIMMY'S DRY CLEANERS - SITE NO. 130080
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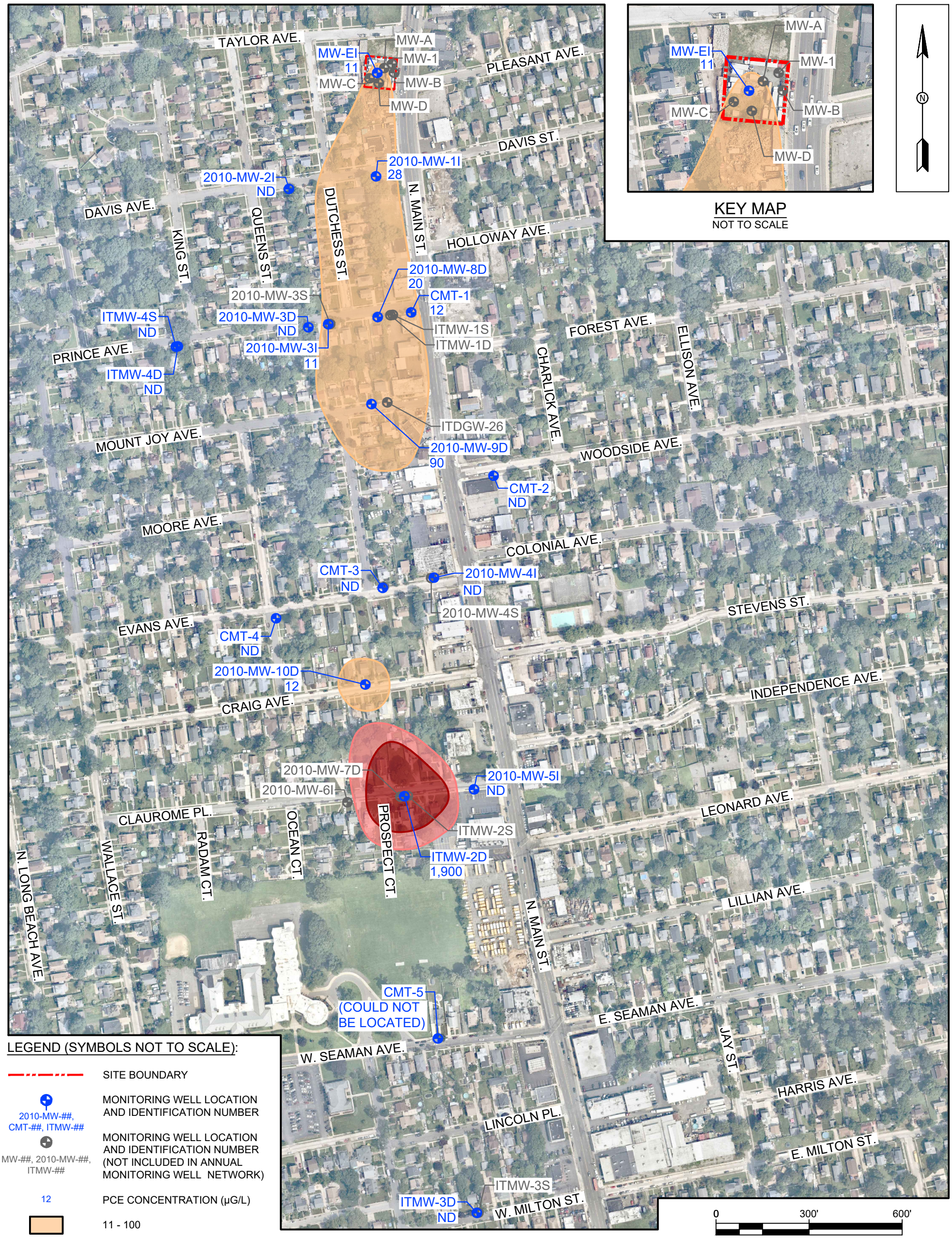
TITLE:
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER ABOVE CLASS GA VALUES

DRAWN BY:	H. DELGADO	PROJ NO.:	386554.0004.0000
CHECKED BY:	A. RAPOSO		
APPROVED BY:	D. WARREN		**FIGURE 4**
DATE:	OCTOBER 2021		

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FILE NO.: Fig. 4 - VOCs in GW ACGAV (JDC).dwg

11x17 --- USER: HDelgado --- ATTACHED XREFS: --- ATTACHED IMAGES: Capture###e; EPSG2263_20210706; EPSG2263_20210706_z1;
DRAWING NAME: B:\NYSDEC\D009812\Work Assignments\D009812-04 Site Management Portfolio B\04_Jimmy's Dry Cleaner 130080\TRC Working Drawings\ Fig. 5 - PCE in GW Conc. Cont. (JDC).dwg --- PLOT DATE: October 22, 2021 - 11:11AM --- LAYOUT: 11X17L
Version: 2017-10-21



KEY MAP
NOT TO SCALE

N

LEGEND (SYMBOLS NOT TO SCALE):

- SITE BOUNDARY
- 2010-MW-##, CMT-##, ITMW-## — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW-##, 2010-MW-##, ITMW-## — MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (NOT INCLUDED IN ANNUAL MONITORING WELL NETWORK)
- 12 — PCE CONCENTRATION (µG/L)
- 11 - 100
- 101 - 1,000
- 1,000+

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE, UNLESS STATED OTHERWISE.
2. BASEMAP IMAGERY SOURCED FROM NEARMAP DATED JULY 6, 2021.
3. MONITORING WELL LOCATIONS TAKEN FROM THE JUNE 2020 SITE MANAGEMENT PLAN PREPARED BY ARCADIS US, INC.
4. RESULTS IN MICROGRAMS PER LITER (µG/L).
5. ND - NON-DETECT
6. PCE - TETRACHLOROETHENE.
7. PCE CONCENTRATIONS CONTOURS WERE GENERATED USING CONCENTRATIONS FROM CMT-1(3), CMT-2(3), CMT-3(3), CMT-4(3), ITMW-2D, ITMW-3D, ITMW-4D, ITMW-4S, 2010-MW-1I, 2010-MW-2I, 2010-MW-3I, 2010-MW-3D, 2010-MW-4I, 2010-MW-5I, 2010-MW-8D, 2010-MW-9D, 2010-MW-10D, AND MW-EI.
8. BOUNDARIES OF CONCENTRATION CONTOURS ARE INFERRED.

SCALE: 1" = 300'
SHEET SIZE: 11" BY 17"

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SITE MANAGEMENT PORTFOLIO B
TASK NO. 4 - JIMMY'S DRY CLEANERS - SITE NO. 130080
61 NASSAU ROAD, ROOSEVELT, NASSAU COUNTY, NEW YORK

TITLE:
PCE IN GROUNDWATER CONCENTRATION CONTOURS

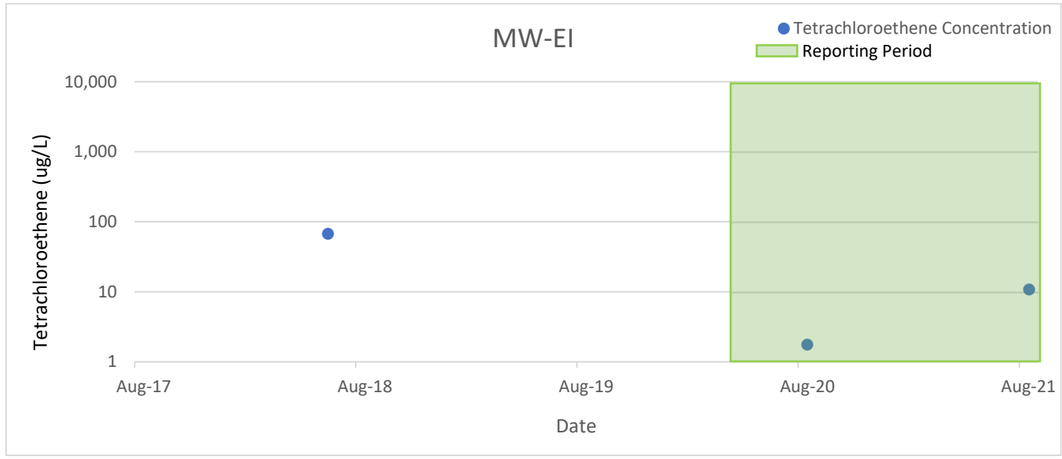
DRAWN BY:	H. DELGADO	PROJ NO.:	386554.0004.0000
CHECKED BY:	A. RAPOSO		
APPROVED BY:	D. WARREN		**FIGURE 5**
DATE:	OCTOBER 2021		

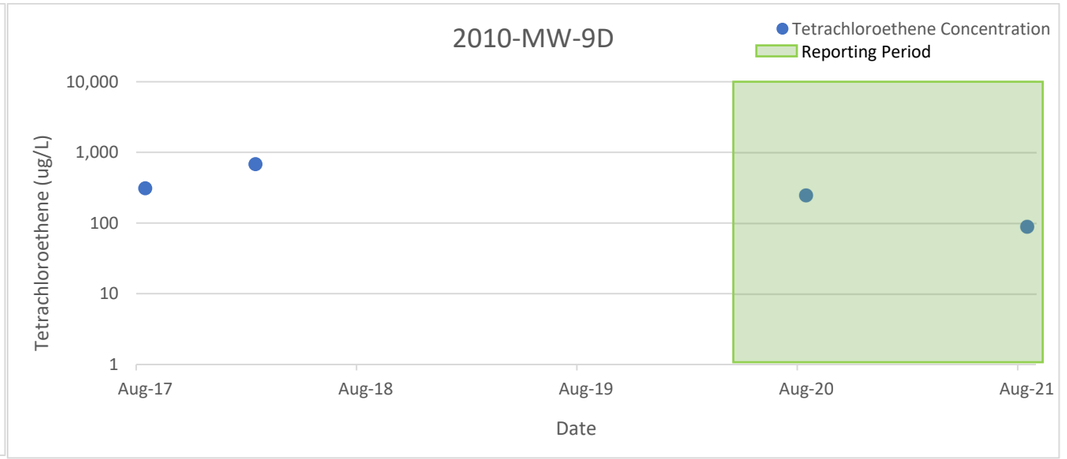
TRC
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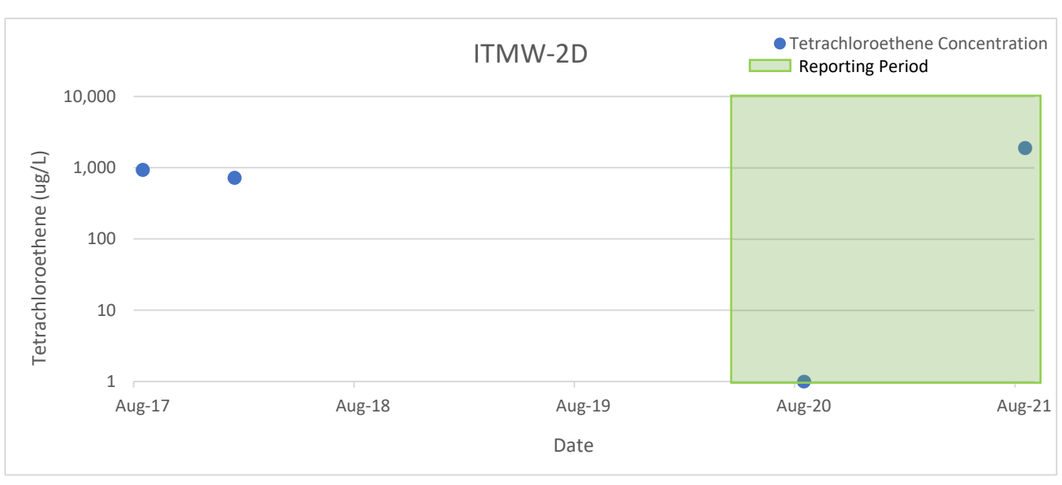
FILE NO.: Fig. 5 - PCE in GW Conc. Cont. (JDC).dwg

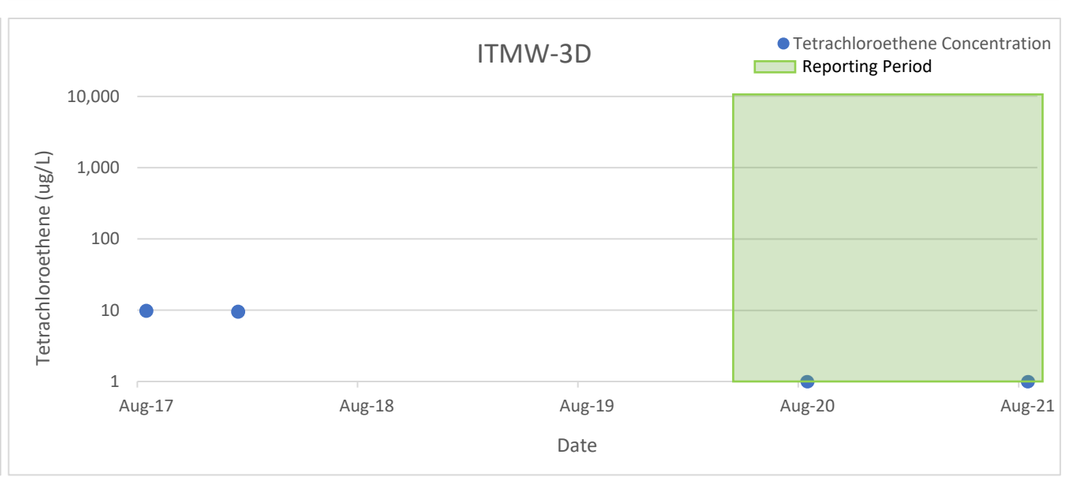
Figure 6

New York State Department of Environmental Conservation
SMP B – Jimmy's Dry Cleaners - Site No. 130080
Periodic Review Report
Roosevelt, New York
PCE in Groundwater Trend Charts









Notes:
PCE – Tetrachloroethene
µg/L – Micrograms per Liter

Tables

Table 1
New York State Department of Environmental Conservation
SMP B - Jimmy's Dry Cleaners - Site No. 130080
Periodic Review Report
Roosevelt, New York
Summary of Depth to Water Measurements and Groundwater Elevations

Well ID	Screened Formation	Casing Elevation[1] (feet)	Depth to Bottom (feet below TOC)	Gauge Date	Depth to Water (feet below TOC)	Groundwater Elevation[1] (feet)
CMT-1 (3)	Overburden	25.74	100	7/27/2020	NA	NA
				8/31/2021	8.85	16.89
CMT-2 (3)	Overburden	25.89	100	NA	NA	NA
CMT-3 (3)	Overburden	26.71	105	NA	NA	NA
CMT-4 (3)	Overburden	26.01	95	NA	NA	NA
CMT-5 (3)	Overburden	26.24	83	NA	NA	NA
ITMW-2D	Overburden	25.20	102	7/27/2020	14.32	10.88
				8/10/2021	12.73	12.47
ITMW-3D	Overburden	25.15	90	7/27/2020	19.63	5.52
				8/10/2021	14.46	10.69
ITMW-4D	Overburden	33.49	105	7/27/2020	19.30	14.19
				8/10/2021	18.59	14.90
ITMW-4S	Overburden	33.61	65	7/27/2020	18.81	14.80
				8/10/2021	18.34	15.27
2010-MW-1I	Overburden	29.48	75	7/27/2020	14.27	15.21
				8/10/2021	NA	NA
2010-MW-2I	Overburden	34.75	75	7/27/2020	19.54	15.21
				8/10/2021	18.92	15.83
2010-MW-3I	Overburden	31.28	75	7/27/2020	16.79	14.49
				8/10/2021	16.14	15.14
2010-MW-3D	Overburden	32.36	150	7/27/2020	18.09	14.27
				8/10/2021	17.45	14.91
2010-MW-4I	Overburden	23.59	77	7/27/2020	10.79	12.80
				8/10/2021	10.05	13.54
2010-MW-5I	Overburden	23.66	75	7/27/2020	11.67	11.99
				8/10/2021	10.97	12.69
2010-MW-8D	Overburden	27.21	150	7/27/2020	12.96	14.25
				8/31/2021	11.70	15.51
2010-MW-9D	Overburden	26.93	150	7/27/2020	13.3	13.63
				8/10/2021	12.48	14.45
2010-MW-10D	Overburden	26.64	150	7/27/2020	14.74	11.90
				8/10/2021	13.75	12.89
MW-EI	Overburden	NA*	NA*	7/27/2020	17.33	NA*
				8/10/2021	16.62	NA*

Notes:
[1] Elevations are North American Vertical Datum 1988
ID - Identification
TOC - Top of Casing
NA - Not Available
* - Well construction and survey data are not available for this well

Table 2
New York State Department of Environmental Conservation
SMP B - Jimmy's Dry Cleaners - Site No. 130080
Periodic Review Report
Roosevelt, New York
Summary of VOCs in Groundwater

			CMT-1 (3)		CMT-2 (3)		CMT-3 (3)		CMT-4 (3)		ITMW-2D		ITMW-3D		ITMW-4D		ITMW-4S		2010-MW-1I	
Sample Location:			JDC-CMT-1-WG-20200813	JDC-CMT-1-WG-20210831	JDC-CMT-2-WG-20200813	JDC-CMT-2-WG-20210830	JDC-CMT_3-WG-20200814	JDC-CMT-3-WG-20210830	JDC-CMT_4-WG-20200814	JDC-CMT-4-WG-20210831	JDC-ITMW-2D WG-20200813	JDC-ITMW-2D-WG-20210830	JDC-ITMW-3D WG-20200813	JDC-ITMW-3D-WG-20210830	JDC-ITMW-4D WG-20200813	JDC-ITMW-4D-WG-20210830	JDC-ITMW-4S-WG-20200813	JDC-ITMW-4S-WG-20210830	JDC-2010-MW-1I-WG-20200813	JDC-2010-MW-1I-WG-20210830
Sample Name:																				
Sample Date:			08/13/2020	8/31/2021	08/13/2020	8/30/2021	08/14/2020	8/30/2021	08/14/2020	8/31/2021	08/13/2020	8/30/2021	08/13/2020	8/30/2021	08/13/2020	8/30/2021	08/13/2020	8/30/2021	08/13/2020	8/30/2021
VOCs	Unit	Class GA Value*	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	ug/L	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U
1,1-Dichloroethane	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.86 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	ug/L	0.04	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichlorobenzene	ug/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	ug/L	50	5.0 UJ	10 U	5.0 UJ	10 U	5.0 U	10 U	5.0 U	10 U	**3.0 J**	10 U	**2.2 J**	10 U	**2.4 J**	10 U	**2.9 J**	10 U	**2.7 J**	10 U
2-Hexanone	ug/L	50	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ
4-Methyl-2-pentanone	ug/L	NC	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	50	5.0 U	10 U	5.0 U	10 U	5.0 U	10 U	5.0 U	**7.0 J**	**17**	**8.8 J**	**18 J+**	10 U	**21 J+**	**9.4 J**	**18**	10 U	**23 J+**	**8.0 J**
Benzene	ug/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	50	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Bromomethane	ug/L	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U
Carbon disulfide	ug/L	60	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	5	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Chlorobenzene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	ug/L	7	**0.37 J**	**0.45 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	ug/L	5	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
cis-1,2-Dichloroethene	ug/L	5	**1.3 J+**	1.0 U	1.0 U	1.0 U	**1.2**	**6.9**	1.0 U	1.0 U	1.0 U	**7.0**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	50	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Dichlorodifluoromethane	ug/L	5	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Ethylbenzene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	ug/L	0.0006	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	ug/L	NC	5.0 UJ	2.5 U	5.0 UJ	2.5 U	5.0 U	2.5 U	5.0 U	2.5 U	5.0 UJ	2.5 U	5.0 UJ	2.5 U	5.0 UJ	2.5 U	5.0 UJ	2.5 U	5.0 UJ	2.5 U
Methyl tert-butyl ether	ug/L	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.84 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	ug/L	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.8**	1.0 U	1.0 U	1.0 U	**1.2**	1.0 U	1.0 U	1.0 U	**3.8**
Styrene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	5	**19 J+**	**12**	**0.26 J**	1.0 U	**12**	**0.63 J**	1.0 U	1.0 U	1.0 U	**1,900**	**0.60 J**	**0.81 J**	**0.46 J**	1.0 U	**0.96 J**	1.0 U	**3.9 J+**	**28**
Toluene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	0.4	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U
Trichloroethene	ug/L	5	**0.42 J**	1.0 U	1.0 U	1.0 U	**0.49 J**	**10**	1.0 U	1.0 U	1.0 U	**9.5**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	ug/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	2	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Xylenes, total	ug/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:
ug/L - micrograms per liter.
J/J+ - Estimated value/estimated value; biased high.
JN - Presumptive evidence of material.
NC - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the compound was detected.
Values shown in bold and shaded type exceed the listed NYSDEC standards.
VOCs - Volatile Organic Compounds.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.

Table 2
New York State Department of Environmental Conservation
SMP B - Jimmy's Dry Cleaners - Site No. 130080
Periodic Review Report
Roosevelt, New York
Summary of VOCs in Groundwater

			Sample Location:	2010-MW-2I		2010-MW-3D		2010-MW-3I		2010-MW-4I		2010-MW-5I		2010-MW-8D	2010-MW-9D		2010-MW-10D		MW-EI	
			Sample Name:	JDC-2010-MW-2I-WG-20200813	JDC-2010-MW-2I-WG-20210830	JDC-2010-MW-3D-WG-20200813	JDC-2010-MW-3D-WG-20210830	JDC-2010-MW-3I-WG-20200813	JDC-2010-MW-3I-WG-20210830	JDC-2010-MW-4I-WG-20200813	JDC-2010-MW-4I-WG-20210830	JDC-2010-MW-5I-WG-20200813	JDC-2010-MW-5I-WG-20210830	JDC-2010-MW-8D-WG-20210831	JDC-2010-MW-9D-WG-20200813	JDC-2010-MW-9D-WG-20210830	JDC-2010-MW-10D-WG-20200813	JDC-2010-MW-10D-WG-	JDC-MW-EI-WG-20200813	JDC-MW-EI-WG-20210830
			Sample Date:	08/13/2020	8/30/2021	08/13/2020	8/30/2021	08/13/2020	8/30/2021	08/13/2020	8/30/2021	08/13/2020	8/30/2021	8/31/2021	08/13/2020	8/30/2021	08/13/2020	8/30/2021	08/13/2020	8/30/2021
VOCs	Unit	Class GA Value*		Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	ug/L	5		1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U
1,1-Dichloroethane	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.64 J**	**0.98 J**	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	ug/L	0.04		1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichlorobenzene	ug/L	3		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	3		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	3		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	ug/L	50		5.0 UJ	10 U	**3.7 J**	10 U	**2.1 J**	10 U	**2.3 J**	10 U	5.0 UJ	10 U	10 U	**2.8 J**	10 U	5.0 UJ	10 U	5.0 UJ	10 U
2-Hexanone	ug/L	50		5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ
4-Methyl-2-pentanone	ug/L	NC		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	50		**18 J+**	**8.1 J**	**22 J+**	**9.4 J**	**13**	**18**	**17**	**15**	**11 J+**	**12**	10 U	**16 J+**	**15**	**16 J+**	**11**	**18**	**18**
Benzene	ug/L	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	50		**1.0 J+**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	50		**0.57 J**	**0.80 J**	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Bromomethane	ug/L	5		1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U
Carbon disulfide	ug/L	60		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	5		1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Chlorobenzene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	ug/L	7		**0.71 J**	**0.37 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	ug/L	5		1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
cis-1,2-Dichloroethene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	**0.26 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2.0 J+**	1.0 U	**4.0 J+**	**5.8**	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/L	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	50		**1.2 J+**	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Dichlorodifluoromethane	ug/L	5		1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Ethylbenzene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	ug/L	0.0006		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	ug/L	NC		5.0 UJ	2.5 U	5.0 UJ	2.5 U	5.0 UJ	2.5 U	5.0 U	2.5 U	5.0 UJ	2.5 U	2.5 U	5.0 UJ	2.5 U	5.0 UJ	2.5 U	5.0 UJ	2.5 U
Methyl tert-butyl ether	ug/L	10		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	ug/L	NC		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	5		1.0 U	**12**	1.0 U	**8.8**	1.0 U	**0.94 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2.1**	1.0 U	**1.3**	1.0 U	1.0 U
Styrene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	5		**0.50 J**	1.0 U	**0.46 J**	1.0 U	**7.4**	**11**	1.0 U	1.0 U	1.0 U	**0.98 J**	**20**	**250 J+**	**90**	**2.4 J+**	**12**	**1.8**	**11**
Toluene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	0.4		1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U
Trichloroethene	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.53 J**	1.0 U	1.0 U	**1.9 J+**	**1.1**	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	ug/L	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	2		1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Xylenes, total	ug/L	5		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:
ug/L - micrograms per liter.
J/J+ - Estimated value/estimated value; biased high.
JN - Presumptive evidence of material.
NC - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the compound was detected.
Values shown in bold and shaded type exceed the listed NYSDEC standards.
VOCs - Volatile Organic Compounds.
* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the April 2000 Addendum.

Table 3
New York State Department of Environmental Conservation
SMP B - Jimmy's Dry Cleaners - Site No. 130080
Periodic Review Report
Roosevelt, New York
Summary of VOCs in Soil Vapor

	Sample Location:	SVM-1		SVM-2		SVM-3	
	Sample ID:	SUM-1		SUM-2		SUM-3	
	Sample Date:	5/17/2021		5/17/2021		5/17/2021	
VOCs	Unit	Results		Results		Results	
1,1,1-Trichloroethane	ug/m^3	0.44	U	4.4	U	4.4	U
1,1,2,2-Tetrachloroethane	ug/m^3	0.55	U	5.5	U	5.5	U
1,1,2-Trichloroethane	ug/m^3	0.44	U	4.4	U	4.4	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	ug/m^3	0.61	U	6.1	U	6.1	U
1,1-Dichloroethane	ug/m^3	0.32	U	3.2	U	3.2	U
1,1-Dichloroethene	ug/m^3	0.16	U	1.6	U	1.6	U
1,2,4-Trichlorobenzene	ug/m^3	0.59	U	5.9	U	5.9	
1,2,4-Trimethylbenzene	ug/m^3	**0.63**		3.9	U	3.9	U
1,2-Dibromoethane	ug/m^3	0.61	U	6.1	U	6.1	
1,2-Dichlorobenzene	ug/m^3	0.48	U	4.8	U	4.8	U
1,2-Dichloroethane	ug/m^3	0.32	U	3.2	U	3.2	U
1,2-Dichloropropane	ug/m^3	0.37	U	3.7	U	3.7	U
1,2-Dichlorotetrafluoroethane	ug/m^3	0.56	U	5.6	U	5.6	U
1,3,5-Trimethylbenzene	ug/m^3	0.39	U	3.9	U	3.9	U
1,3-Dichlorobenzene	ug/m^3	**1.9**		4.8	U	**8.5**	
1,4-Dichlorobenzene	ug/m^3	0.48	U	4.8	U	4.8	U
1,4-Dioxane	ug/m^3	0.72	U	7.2	U	7.2	U
2,2,4-Trimethylpentane	ug/m^3	0.93		9.3	U	9.3	U
2-Butanone (MEK)	ug/m^3	**3.5**		9.4	U	**15**	
4-Methyl-2-pentanone	ug/m^3	**2.6**		8.2	U	8.2	U
Benzene	ug/m^3	**2.2**		2.6	U	2.6	U
Benzyl chloride	ug/m^3	0.83	U	8.3	U	8.3	U
Bromodichloromethane	ug/m^3	0.54	U	5.4	U	5.4	U
Bromoform	ug/m^3	.83	U	8.3	U	8.3	U
Bromomethane	ug/m^3	0.31	U	3.1	U	3.1	U
Carbon tetrachloride	ug/m^3	**0.46**		2.0	U	2.0	U
Chlorobenzene	ug/m^3	0.37	U	3.7	U	3.7	U
Chloroethane	ug/m^3	0.21	U	2.1	U	2.1	U
Chloroform	ug/m^3	0.39	U	3.9	U	3.9	U
Chloromethane	ug/m^3	**1.5**		4.1	U	4.1	U
cis-1,2-Dichloroethene	ug/m^3	0.16	U	1.6	U	1.6	U
cis-1,3-Dichloropropene	ug/m^3	0.36	U	3.6	U	3.6	U
Cyclohexane	ug/m^3	0.69	U	6.9	U	6.9	U
Dibromochloromethane	ug/m^3	0.68	U	6.8	U	6.8	U
Dichlorodifluoromethane	ug/m^3	**1.2**		4.0	U	4.0	U
Ethanol	ug/m^3	**320**	**D**	**670**		**330**	
Ethylbenzene	ug/m^3	0.35	U	3.5	U	3.5	U
Hexachlorobutadiene	ug/m^3	0.85	U	8.5	U	8.5	U
Hexane	ug/m^3	**1.4**		7.0	U	7.0	U
Methyl tert-butyl ether	ug/m^3	0.58	U	5.8	U	5.8	U
Methylene chloride	ug/m^3	1.4	U	14	U	14	U
m- & p-Xylenes	ug/m^3	**1.2**		3.5	U	3.5	U
Naphthalene	ug/m^3	1.0	U	10	U	10	U
o-Xylene	ug/m^3	0.35		3.5	U	3.5	U
Styrene	ug/m^3	0.34	U	3.4	U	3.4	U
t-Butyl alcohol	ug/m^3	**4.8**		9.7	U	**13**	
Tetrachloroethene	ug/m^3	0.54	U	5.4	U	5.4	U
Toluene	ug/m^3	**4.4**		**4.5**		**10**	
trans-1,2-Dichloroethene	ug/m^3	0.32	U	3.2	U	3.2	U
trans-1,3-Dichloropropene	ug/m^3	0.36	U	3.6	U	3.6	U
Trichloroethene	ug/m^3	0.19	U	1.9	U	1.9	U
Trichlorofluoromethane	ug/m^3	**1.3**		4.5	U	4.5	U
Vinyl chloride	ug/m^3	0.10	U	1.0	U	1.0	U

Notes:
ug/m^3 - micrograms per cubic meter.
D - Detected at a secondary dilution.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the compound was detected.
VOCs - Volatile Organic Compounds.

Appendix A

Summary of Green Remediation Metrics for Site Management

Site Name: Jimmy's Dry Cleaners Site Code: 130080
Address: 61 Nassau Road City: Roosevelt
State: NY Zip Code: 11575 County: Nassau

Initial Report Period (Start Date of period covered by the Initial Report submittal)
Start Date: 6/1/2020

Current Reporting Period
Reporting Period From: 6/1/2020 To: 9/30/2021

Contact Information
Preparer's Name: Anthony Raposo Phone No.: 212-221-7822
Preparer's Affiliation: TRC Engineers, Inc.

I. Energy Usage: Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

	Current Reporting Period	**Total to Date**
Fuel Type 1 (e.g. natural gas (cf))	0	0
Fuel Type 2 (e.g. fuel oil, propane (gals))	0	0
Electricity (kWh)	25,800 (est.)	25,800 (est.)
Of that Electric usage, provide quantity:		
Derived from renewable sources (e.g. solar, wind)	Not applicable	Not applicable
Other energy sources (e.g. geothermal, solar thermal (Btu))	Not applicable	Not applicable

Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.

II. Solid Waste Generation: Quantify the management of solid waste generated on-site.

	Current Reporting Period (tons)	**Total to Date (tons)**
Total waste generated on-site		
OM&M generated waste	0	0
Of that total amount, provide quantity:		
Transported off-site to landfills	0	0
Transported off-site to other disposal facilities	0	0
Transported off-site for recycling/reuse	0	0
Reused on-site	0	0

Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles)	**Total to Date (miles)**
Standby Engineer/Contractor	Approximately 1,000	Approximately 1,000
Laboratory Courier/Delivery Service	Approximately 220	Approximately 220
Waste Removal/Hauling	0	0

Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gallons)	**Total to Date (gallons)**
Total quantity of water used on-site	0	0
Of that total amount, provide quantity:		
Public potable water supply usage	0	0
Surface water usage	0	0
On-site groundwater usage	0	0
Collected or diverted storm water usage	0	0

Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

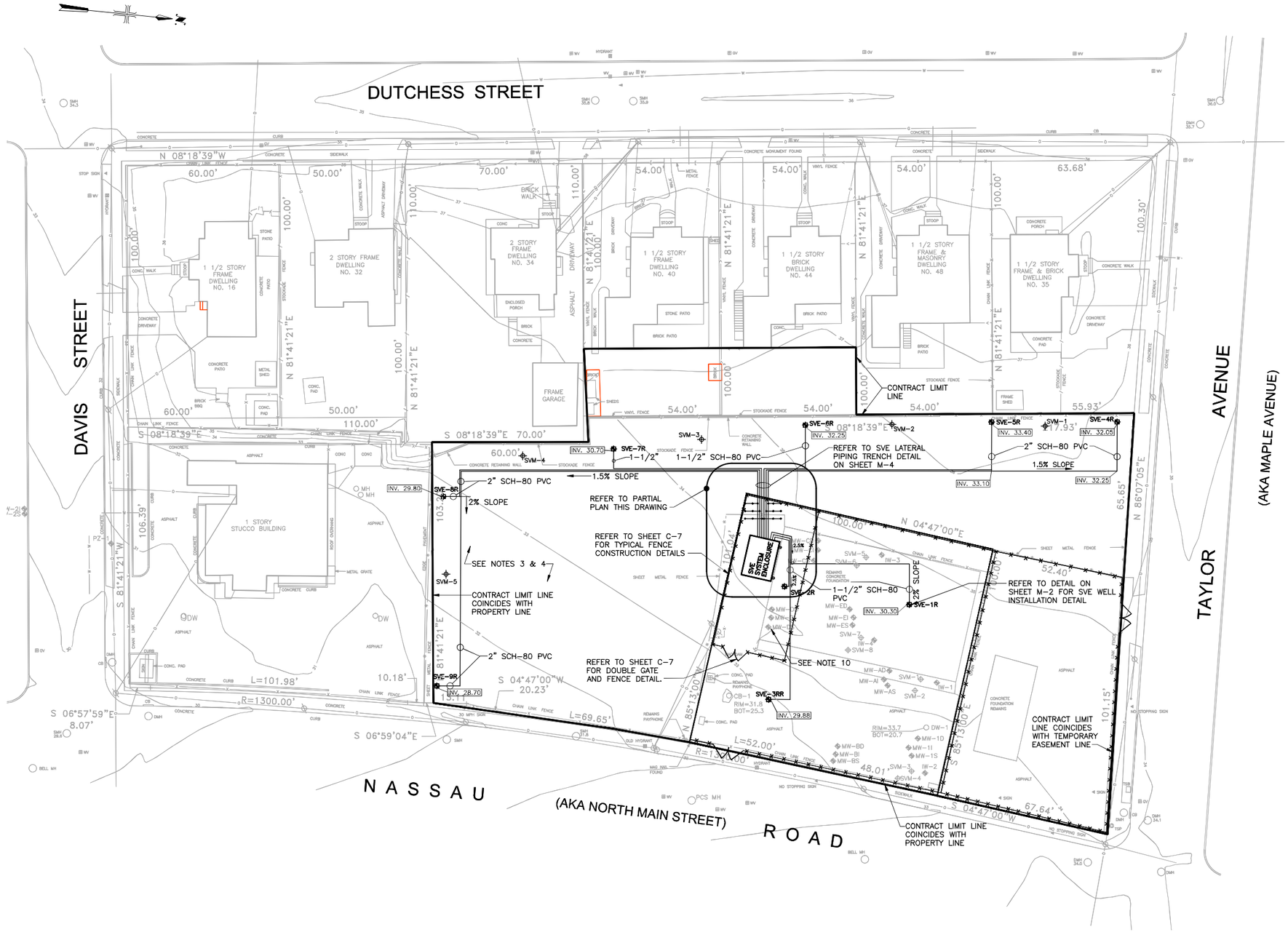
	Current Reporting Period (acres)	**Total to Date (acres)**
Land disturbed	Not applicable	Not applicable
Land restored	Not applicable	Not applicable

Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.

Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage: Site electricity usage is limited to full-time operation of a soil vapor extraction system designed to remediate contaminated soil and provide vapor intrusion control. Since full-time operation of the system is necessary to protect the health of Site occupants no energy reduction program has been implemented.
Waste Generation: Not applicable.
Transportation/Shipping: Generally, local staff are utilized to perform work at the site. Staff primarily utilized at the site are located between 10 and 50 miles from the site. The laboratory, Eurofins TestAmerica, is located in Edison, New Jersey, approximately 55 miles from the site.
Water usage: Not applicable.
Land Use and Ecosystems: Not applicable.
Other: Site emissions are limited to volatile organic compounds, primarily tetrachloroethene, from the soil vapor extraction system, which is operated with two vapor-phase carbon vessels for treatment. Emission rates are calculated monthly and are below 0.150 pounds per month. Therefore no emission reduction program has been implemented.

CERTIFICATION BY CONTRACTOR
I, _____ (**Name**) do hereby certify that I am _____ (**Title**) of the Company/Corporation herein referenced and contractor for the work described in the foregoing application for payment. According to my knowledge and belief, all items and amounts shown on the face of this application for payment are correct, all work has been performed and/or materials supplied, the foregoing is a true and correct statement of the contract account up to and including that last day of the period covered by this application. _____ **Date** **Contractor**

Appendix B



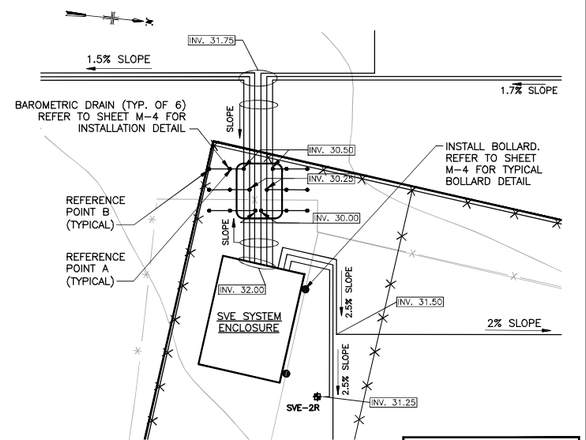
SVE SYSTEM SITE PLAN

10 0 10 20

SCALE: 1" = 20'

NOTES:

1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, LAWS AND STATUTES.
2. DO NOT SCALE ANY DRAWINGS. VERIFY THE FIGURES, DIMENSIONS AND DESIGN INTENTION SHOWN ON THE DRAWINGS BEFORE BEGINNING LAYOUT OF THE WORK AND REPORT ANY INACCURACIES, MISSING DIMENSIONAL REQUIREMENTS OR CONFLICTS TO THE ENGINEER IN WRITING PRIOR TO BEGINNING ANY WORK.
3. ALL EXISTING STRUCTURES WITHIN THE CONTRACT LIMITS, AS WELL AS LIMITS OF ALL TEMPORARY EASEMENTS SHALL BE PROTECTED DURING CONSTRUCTION INCLUDING, BUT NOT NECESSARILY LIMITED TO THE FOLLOWING: DWELLINGS, ASPHALT/CONCRETE/BRICK DRIVEWAYS, FENCING, CONCRETE/BRICK/STONE PATIOS, ENTRANCES, MONITORING WELLS, ETC. ANY DAMAGE RESULTING FROM THE PERFORMANCE OF THE WORK SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
4. NO MATERIALS OR EQUIPMENT MAY BE STORED WITHIN THE CONTRACT LIMITS, AS WELL AS LIMITS OF ALL TEMPORARY EASEMENTS, UNLESS OTHERWISE APPROVED IN ADVANCE BY THE DEPARTMENT. STORAGE OF EQUIPMENT AND MATERIALS WITHIN THE CONTRACT LIMITS SHALL BE ACCEPTABLE WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT.
5. ANY UTILITIES SHOWN HEREIN ARE FOR INFORMATION ONLY AND HAVE BEEN OBTAINED FROM AVAILABLE SOURCES. THE EXISTENCE AND LOCATION OF ANY UTILITIES INDICATED ON THE PLANS ARE NOT GUARANTEED AND SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK. PUBLIC AND PRIVATE UTILITIES SHALL BE LOCATED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE DEPARTMENT, IN ACCORDANCE WITH SECTION IX, SUPPLEMENTARY CONDITIONS, OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY NO LESS THAN 48 HOURS PRIOR TO ANY EXCAVATION THAT MAY AFFECT THAT UTILITY. EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES SHALL BE DUG BY HAND. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES.
6. BEFORE COMMENCEMENT OF ANY REMEDIATION ACTIVITIES, THE CONTRACTOR SHALL APPLY FOR AND OBTAIN ANY APPLICABLE PERMITS FROM FEDERAL, STATE AND LOCAL REGULATORY AGENCIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL CONDITIONS AND NOTIFICATION REQUIREMENTS OF ISSUED PERMITS.
7. EXCAVATIONS SHALL BE OPEN EXCAVATIONS, SHEETED AND BRACED WHERE NECESSARY TO PREVENT POSSIBLE INJURY TO PERSONNEL AND STRUCTURES. THE CONTRACTOR SHALL SHEET AND BRACE EXCAVATIONS WHERE SLOPING IS NOT POSSIBLE EITHER BECAUSE OF SPACE RESTRICTIONS OR STABILITY. ALL SHEETING, WHALERS, SHORING AND BRACING SHALL BE DESIGNED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW YORK. THE DEPARTMENT WILL NOT REIMBURSE THE CONTRACTOR FOR REMOVAL, HANDLING, DISPOSAL AND BACKFILL OF ANY OVER EXCAVATED MATERIALS. SHEETING SHALL EXTEND TO DEPTH NECESSARY TO PROVIDE FOR EXCAVATION TO THE SPECIFIED DEPTHS.
8. CONTRACTOR SHALL EXCAVATE AND REMOVE BURIED SVE LATERAL SYSTEM PIPING IN ITS ENTIRETY UPON SUCCESSFUL INSTALLATION OF THE MODIFIED SVE SYSTEM, AS DETERMINED BY THE DEPARTMENT. BACKFILL AND COMPACT OPEN EXCAVATION AREAS WITH GENERAL FILL IN ACCORDANCE WITH THE SPECIFICATIONS TO A DEPTH 6" BELOW THE FINAL GRADE. GROUND SURFACE SHALL BE RESTORED CONSISTENT WITH SPECIFIED REQUIREMENTS.
9. SLOPE BURIED LATERAL SVE PIPING CONTINUOUSLY (MINIMUM 1%) TOWARDS EACH SVE WELL TO ALLOW POTENTIAL CONDENSATE TO DRAIN BACK TO WELL HEAD. NO LOW SPOTS, HIGH SPOTS, TRAPS OR POCKETS WHERE CONDENSATE CAN POOL OR ACCUMULATE ARE PERMITTED.
10. CONTRACTOR SHALL PROTECT EXISTING MONITORING WELLS DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL RECONSTRUCT MANHOLE COVER AND CONCRETE PAD DURING SITE RESTORATION ACTIVITIES CONSISTENT WITH THE ON-SITE MONITORING WELL RESTORATION DETAIL PROVIDED ON SHEET M-4.



PARTIAL SITE PLAN

5 0 5 10

SCALE: 1" = 10'

RECORD DRAWINGS

THIS DRAWING REFLECTS CHANGES FROM THE ORIGINAL CONTRACT DRAWING THAT WERE MADE DURING CONSTRUCTION AND HAS BEEN PREPARED FROM INFORMATION PROVIDED TO THE ENGINEER BY THE CONSTRUCTION CONTRACTOR(S)/OWNERS. THE ENGINEER DOES NOT WARRANT THIS DRAWING TO BE COMPLETE AND ACCURATE IN ALL RESPECTS.

ARCADIS OF NY, INC.

Date SEPT. 2018 By TAM

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK LAW, SECTION 7209.2.

ARCADIS
ARCADIS OF NEW YORK, INC.

STATE OF NEW YORK — DANIEL JOHN LOMBARDO — LICENSED PROFESSIONAL ENGINEER — No. 066594 — 10-3-14

REVISIONS			
NO.	BY	DATE	REMARKS

DES TAM
DWN SMH
CKD DJL

NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

JIMMY'S DRY CLEANERS SITE-OPERABLE UNITS 1&2
REMEDIAL CONSTRUCTION PROJECT

CONTRACT D009345

SVE SYSTEM SITE PLAN

SCALE: AS SHOWN

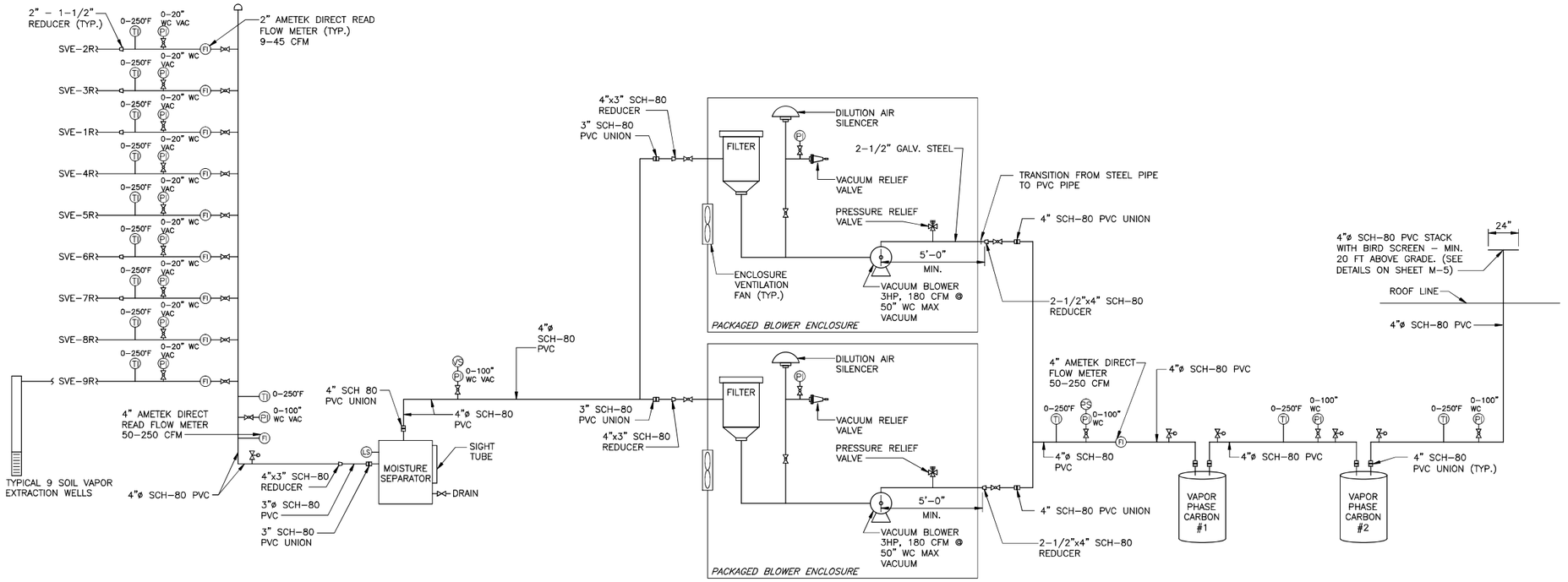
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DATE JULY 2014

M SHEET 1 OF 4

CAD REF. NO. 00266415-M01

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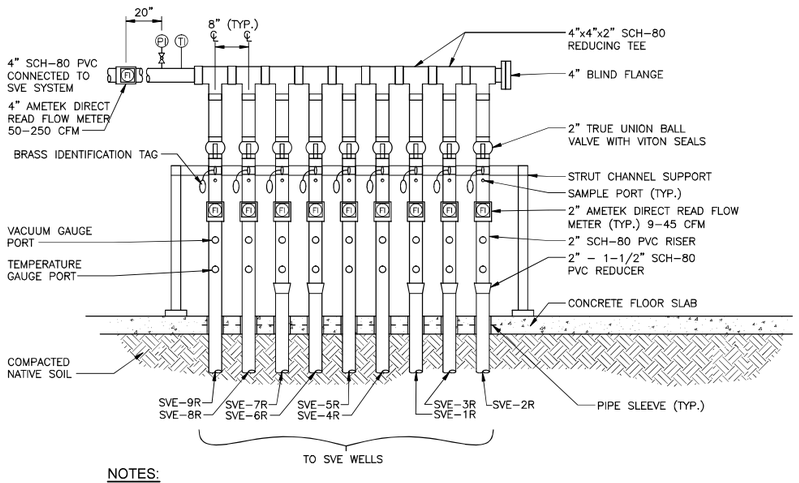
- FI — FLOW INDICATOR
- LS — HIGH LEVEL SWITCH
- PI — PRESSURE INDICATOR
- TI — TEMPERATURE INDICATOR
- VS — VACUUM SWITCH
- PS — PRESSURE SWITCH
- GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE
- PRESSURE REGULATOR
- PRESSURE/VACUUM RELIEF VALVE
- UNION
- REDUCER
- PIPE CAP
- SAMPLE PORT
- VACUUM BLOWER

NOTES:

1. LAYOUT OF SVE SYSTEM FOR CONCEPT ONLY. CONTRACTOR MAY ALTER SYSTEM THAT MEETS THE MINIMUM SPECIFIED REQUIREMENTS AT NO ADDITIONAL COST TO THE DEPARTMENT.
2. FLOW INDICATOR TO READ IN DIRECT CFM.

PROCESS AND INSTRUMENTATION SCHEMATIC

NOT TO SCALE



NOTES:

1. LAYOUT OF SVE SYSTEM FOR CONCEPT ONLY. CONTRACTOR MAY ALTER SYSTEM THAT MEETS THE MINIMUM SPECIFIED REQUIREMENTS AT NO ADDITIONAL COST TO THE DEPARTMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING NECESSARY PIPE HANGARS AND SUPPORTS FOR PIPING SYSTEM SPECIFIED CONSISTENT WITH THE REQUIREMENTS SET FORTH IN THE SPECIFICATIONS AND AS DIRECTED BY THE OWNER.

SVE PIPE RISER/MANIFOLD SCHEMATIC

NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL PROVIDE AN ENCLOSURE OR STRUCTURE THAT MEETS THE FOLLOWING REQUIREMENTS AND PROVIDES AN INSULATED, WEATHER TIGHT ENCLOSURE THAT WILL REMAIN WEATHER TIGHT FOR THE DURATION OF THE ANTICIPATED OPERATIONAL PERIOD OF TWO YEARS.
2. FOLLOW BUILDING MANUFACTURERS INSTRUCTIONS TO INSTALL THE BUILDING STRUCTURE.
3. CONCRETE CONSTRUCTION SHALL CONFORM TO CODE ACI 318.
4. CONCRETE SHALL BE CONTROLLED AIR ENTRAINED, WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
5. REINFORCING SHALL BE DEFORMED BARS NEW BILLET STEEL CONFORMING TO ASTM–A615, GRADE 60.
6. DRAIN FOUNDATION EXCAVATION DURING CONSTRUCTION AS REQUIRED.
7. CONSTRUCTION JOINTS NOT SHOWN MUST BE SUBMITTED BY THE CONTRACTOR FOR THE APPROVAL OF THE ENGINEER.
8. ALL EXPOSED EDGES OF CONCRETE TO HAVE A 3/4" CHAMFER.
9. CONTRACTOR SHALL NOT DISTURB/CUT REINFORCING STEEL WHEN INSTALLING CONDUITS THROUGH FOUNDATION WALL. CONTRACTOR SHALL BE REQUIRED INSTALL STEEL SLEEVES WITH SILICONE CAULKING AS DIRECTED.
10. COORDINATE LOCATION WITH MECHANICAL EQUIPMENT.
11. CONTRACTOR TO SLEEVE THE FOUNDATION SLAB FOR SVE PIPING PENETRATIONS.

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK LAW, SECTION 7209.2.

ARCADIS
ARCADIS OF NEW YORK, INC.

STATE OF NEW YORK · DANIEL JOHN LOEWENSTEIN · LICENSED PROFESSIONAL ENGINEER · No. 086598 · 10-3-14

REVISIONS			
NO.	BY	DATE	REMARKS

DES TAM
DWN SMH
CKD DJL

NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

JIMMY'S DRY CLEANERS SITE-OPERABLE UNITS 1&2
REMEDIAL CONSTRUCTION PROJECT

CONTRACT D009345

SVE SYSTEM SCHEMATICS AND NOTES

SCALE: AS SHOWN

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DATE JULY 2014

M SHEET 3 OF 4

CAD REF. NO. 00266415-M03

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Appendix C

SITE HISTORY

JIMMY'S DRY CLEANERS SITE (NYSDEC SITE NO. 130080)

Date	Description
Unknown – 1998	Dry cleaning operations were conducted at the Site.
1988	A Site Inspection conducted by the Nassau County Department of Health (NCDOH) identified leaking dry cleaning equipment and insufficient handling of hazardous waste that likely posed a risk to public and environmental health. Additionally, NCDOH noted the presence of an unregistered underground fuel oil tank, as well as the possibility of hazardous waste discharging to a nearby dry well.
1994	Soil and groundwater samples collected at the Site and soil vapor and indoor air samples collected downgradient of the Site confirmed the presence of chlorinated volatile organic compounds (CVOCs) in local soil, groundwater, soil vapor, and indoor air. The New York State Department of Environmental Health (NYSDEC) added Jimmy's Dry Cleaner to the Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site.
2001 – 2002	Shaw Environmental & Infrastructure Engineering of New York, P.C., (Shaw) conducted a Remedial investigation/Feasibility Study (RI/FS) that identified tetrachloroethene (PCE) as the primary contaminant in soil, groundwater, indoor air, and soil vapor. The elevated concentrations of PCE were directly related to the unsuitable hazardous waste storage and disposal practices of the former dry cleaner.
2002	Concentrations of PCE above the New York State Department of Health (NYSDOH) Ambient Air Guidelines and Background Levels were detected in the former Site building and a neighboring basement. An Interim Remedial Measure (IRM) consisting of the installation of a soil vapor extraction (SVE) system was implemented to mitigate the VOC concentrations in soil vapor affecting the general area and neighboring residences.
2004	The Site was divided into two operable units, OU-1 (the property itself) and OU-2 (the groundwater plume). Shaw prepared the Final Feasibility Report for OU-1 in January 2004 and NYSDEC issued a Record of Decision (ROD) for OU-1 in March 2004, which included the selection of a more extensive SVE system to replace the system installed as part of the IRM, and the treatment of on-site groundwater by means of in-situ chemical oxidation (ISCO).
November 2007	O'Brien & Gere prepared a Feasibility Study Report for OU-2.
March 2008	The NYSDEC issued a ROD for OU-2.
June 2015 –	Remedial Action (RA) activities including a pilot scale study and confirmation of suitable conditions for ISCO of groundwater contamination, design and implementation of an ISCO remedy, removal and off-site disposal of soil within the source area, design and construction of a more extensive SVE system to replace the system constructed as

	part of the IRM, and imposition of an institutional control in the form of an EE were completed.
December 2017	ISCO for groundwater located within the contamination plume and long-term post-treatment groundwater monitoring were selected as the remedy for OU-2. RA activities for OU-2 were completed in December 2017.

CUSTODIAL RECORD

JIMMY'S DRY CLEANERS SITE (NYSDEC SITE NO. 130080)

IT Corporation, "Remedial Investigation Feasibility Study (*RI/FS) Work Plan",* July 20, 2001

Shaw Environmental, Inc., "*Remedial Investigation Report, Former Jimmy's Dry Cleaner*", May 2003

Shaw Environmental, Inc., "*Remedial Investigation Report, Former Jimmy's Dry Cleaner – Revision 1*", August 26, 2003

Shaw Environmental, Inc., "*Quarterly Remedial Measure Operation & Maintenance and Indoor Air Quality Monitoring Report*", December 29, 2003

Shaw Environmental & Infrastructure Engineering of New York, P.C., "*Final Feasibility Study Report, Jimmy's Dry Cleaners Operable Unit 1",* January 2004

NYSDEC, "*Proposed Remedial Action Plan, Jimmy's Dry Cleaners, Operable Unit No.1",* February 2004

NYSDEC, "*Record of Decision, Jimmy's Dry Cleaners Site, Operable Unit No.1"*, March 2004

Shaw Environmental & Infrastructure Engineering of New York, P.C., "*Potassium Permanganate Treatability Study Results",* Jimmy's Dry Cleaners, September 2004

Shaw Environmental & Infrastructure Engineering of New York, P.C., "*Operation and Maintenance Description, Jimmy's Dry Cleaner Site"*, May 12, 2005

O'Brien & Gere, *"Quarterly Interim Remedial Measure Operation & Maintenance and Indoor Air Quality Monitoring Report",* August 2, 2005

Shaw Environmental & Infrastructure Engineering of New York, P.C., "*Soil Investigation and Treatability Study Report",* Jimmy's Dry Cleaners Site, June 2005

O'Brien & Gere, *"Quarterly Interim Remedial Measure Operation & Maintenance and Indoor Air Quality Monitoring Report",* April 6, 2006

O'Brien & Gere, "*Supplemental Feasibility Study Sampling Report – OU1 and OU2"*, October 2007

O'Brien & Gere, *"Feasibility Study Report, Jimmy's Dry Cleaners, Operable Unit 2 #1-30-080, Roosevelt, New York",* November 2007

NYSDEC, "*Proposed Remedial Action Plan, Jimmy's Dry Cleaner, Operable Unit No. 2",* February 2008

NYSDEC, *"Record of Decision, Jimmy's Dry Cleaners Site, Operable Unit No. 2"*, March 2008

Arcadis CE, Inc., "*Final Engineering Report, Jimmy's Dry Cleaners Site – Operable Units No. 1 and No. 2"*, June 2020

Arcadis US, Inc. *Site Management Plan,* June 2020

New York State Department of Environmental Conservation
Jimmy's Dry Cleaners Site - Site No. 130080
Roosevelt, Nassau County, New York
Monitoring Well Construction Summary

Monitoring Well	Installation Date	Well Diameter (inches)	Well Material	Total Depth (feet bgs)	Screened Formation	Screen			Elevation (feet AMSL)			Location (STD UTM)	
						Top (feet bgs)	Bottom (feet bgs)	Length (feet)	PVC Casing	Screen		Northing	Easting
										Top	Bottom		
ITMW-1S	4/2/2002	2	PVC	66.0	Overburden	56.00	66.00	10.00	26.33	-29.17	-39.17	184200.45	1098381.42
ITMW-1D	4/4/2002	2	PVC	106.0	Overburden	96.00	106.00	10.00	26.61	-68.89	-78.89	184199.32	1098373.65
ITMW-2S	4/8/2002	2	PVC	51.0	Overburden	41.00	51.00	10.00	25.26	-15.24	-25.24	182650.07	1098429.48
ITMW-2D	4/9/2002	2	PVC	102.0	Overburden	92.00	102.00	10.00	25.20	-66.30	-76.30	182648.93	1098418.67
ITMW-3S	4/11/2002	2	PVC	65.0	Overburden	55.00	65.00	10.00	25.09	-29.91	-39.91	181306.76	1098656.91
ITMW-3D	4/10/2002	2	PVC	90.0	Overburden	80.00	90.00	10.00	25.15	-54.85	-64.85	181306.01	1098652.19
ITMW-4S	4/12/2002	2	PVC	65.0	Overburden	55.00	65.00	10.00	33.61	-21.39	-31.39	184098.07	1097682.29
ITMW-4D	4/16/2002	2	PVC	105.0	Overburden	95.00	105.00	10.00	33.49	-61.51	-71.51	184098.83	1097687.83
ITDGW-26	N/A	2	N/A	19.4	Overburden	N/A	N/A	N/A	26.00	N/A	N/A	183918.37	1098363.32
2010-MW-1I	N/A	2	N/A	75.0	Overburden	65.00	75.00	10.00	29.48	-34.52	-44.52	184646.86	1098326.89
2010-MW-2I	N/A	2	N/A	75.0	Overburden	65.00	75.00	10.00	34.75	-29.25	-39.25	184606.56	1098046.63
2010-MW-3S	N/A	2	N/A	35.0	Overburden	25.00	35.00	10.00	31.19	6.69	-3.31	184171.08	1098179.33
2010-MW-3I	N/A	2	N/A	75.0	Overburden	65.00	75.00	10.00	31.28	-31.72	-41.72	184170.32	1098173.23
2010-MW-3D	N/A	2	N/A	150.0	Overburden	140.00	150.00	10.00	32.36	-105.64	-115.64	184160.55	1098109.19
2010-MW-4S	N/A	2	N/A	35.0	Overburden	25.00	35.00	10.00	23.64	-1.36	-11.36	183352.13	1098504.97
2010-MW-4I	N/A	2	N/A	77.0	Overburden	67.00	77.00	10.00	23.59	-41.91	-51.91	183353.27	1098513.84
2010-MW-5I	N/A	2	N/A	75.0	Overburden	65.00	75.00	10.00	23.66	-40.84	-50.84	182671.12	1098642.99
2010-MW-6I	N/A	2	N/A	75.0	Overburden	65.25	75.00	9.75	25.96	-38.79	-48.54	182629.49	1098234.83
2010-MW-7D	N/A	2	N/A	148.0	Overburden	138.00	148.00	10.00	25.20	-108.80	-118.80	182647.41	1098405.91
2010-MW-8D	N/A	2	SS	150.0	Overburden	140.00	150.00	10.00	27.21	-112.79	-122.79	184193.29	1098332.35
2010-MW-9D	N/A	2	N/A	150.0	Overburden	140.00	150.00	10.00	26.93	-113.07	-123.07	183913.03	1098312.31
2010-MW-10D	N/A	2	N/A	150.0	Overburden	140.00	150.00	10.00	26.64	-113.36	-123.36	183009.03	1098292.69
CMT-1(1)	5/30/2006	3/8	PVC	35.0	Overburden	34.50	35.00	0.50	25.74	-7.76	-8.26	184208.38	1098440.47
CMT-1(2)	5/30/2006	3/8	PVC	60.0	Overburden	59.50	60.00	0.50	25.74	-32.76	-33.26	184208.38	1098440.47
CMT-1(3)	5/30/2006	3/8	PVC	100.0	Overburden	99.50	100.00	0.50	25.74	-72.76	-73.26	184208.38	1098440.47
CMT-2(1)	5/17/2006	3/8	PVC	35.0	Overburden	34.50	35.00	0.50	25.89	-8.61	-9.11	183681.71	1098705.92
CMT-2(2)	5/17/2006	3/8	PVC	60.0	Overburden	59.50	60.00	0.50	25.89	-33.61	-34.11	183681.71	1098705.92
CMT-2(3)	5/17/2006	3/8	PVC	100.0	Overburden	99.50	100.00	0.50	25.89	-73.61	-74.11	183681.71	1098705.92
CMT-3(1)	5/16/2006	3/8	PVC	40.0	Overburden	39.50	40.00	0.50	26.71	-12.79	-13.29	183320.43	1098348.65
CMT-3(2)	5/16/2006	3/8	PVC	65.0	Overburden	64.50	65.00	0.50	26.71	-37.79	-38.29	183320.43	1098348.65
CMT-3(3)	5/16/2006	3/8	PVC	105.0	Overburden	104.50	105.00	0.50	26.71	-77.79	-78.29	183320.43	1098348.65
CMT-4(1)	5/18/2006	3/8	PVC	30.0	Overburden	29.50	30.00	0.50	26.01	-3.49	-3.99	183222.27	1098004.85
CMT-4(2)	5/18/2006	3/8	PVC	55.0	Overburden	54.50	55.00	0.50	26.01	-28.49	-28.99	183222.27	1098004.85
CMT-4(3)	5/18/2006	3/8	PVC	95.0	Overburden	94.50	95.00	0.50	26.01	-68.49	-68.99	183222.27	1098004.85
CMT-5(1)	5/15/2006	3/8	PVC	30.0	Overburden	29.00	30.00	1.00	26.24	-1.01	-2.01	181868.31	1098526.65
CMT-5(2)	5/15/2006	3/8	PVC	53.0	Overburden	52.50	53.00	0.50	26.24	-26.51	-27.01	181868.31	1098526.65
CMT-5(3)	5/15/2006	3/8	PVC	83.0	Overburden	82.50	83.00	0.50	26.24	-56.51	-57.01	181868.31	1098526.65

Notes

AMSL : Above Mean Sea Level
feet bgs : Feet Below Ground Surface
PVC : Polyvinyl Chloride
SS : Stainless Steel
N/A : Not Avaliable

Survey and well construction data for MW-EI, MW-1, MW-A, MW-B, MW-C, and MW-D is not available.

Appendix D

MONTHLY PROGRESS REPORT
SITE OPERATION & MAINTENANCE

JIMMY'S DRY CLEANERS

61 NASSAU ROAD

ROOSEVELT, NEW YORK

SITE#: 130080

Prepared For:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

New York State - Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233

Prepared By:

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, NY 11772

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TABLE 1: SVE SYSTEM DATA LOG ..... A

TABLE 2: SVE SYSTEM MAINTENANCE LOG ..... A

TABLE 3: SVE SYSTEM AIR ANALYTICAL RESULTS ..... A

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FIGURE 1: SITE LAYOUT MAP ..... B

FIGURE 2: SITE MAP ..... B

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1.0 INTRODUCTION

This document represents the monthly progress report for the operation and maintenance (O&M) activities at Jimmy's Dry Cleaners, New York State Department of Environmental Conservation (NYSDEC) Site No. 130080. The site is located at 61 Nassau Road in the hamlet of Roosevelt, Nassau County, New York. The project site is located southwest of the intersection of Nassau Road and Taylor Avenue and was a former dry-cleaner site. The site property and system shed are secured with perimeter chain-link fencing. The surrounding area is a mix of residential to the north and west and commercial to the south and east. A site layout map is provided as Figure 1.

This report summarizes the January 2021 operation and maintenance (O&M) activities conducted at this site to summarize the current Soil Vapor Extraction (SVE) System. A surveyed map of the site and system location is provided as Figure 2.

1.1 SYSTEM DESCRIPTION: SVE

The SVE system compound is located in the southwest corner of the site property. The SVE system operation is comprised of nine extraction wells. Three SVE wells (SVE-1R, SVE-2R and SVE-3R) are located on the site property. The remaining four SVE wells (SVE-4R through SVE-9R) are located along the southern and western property line on the adjacent property. Well locations are shown in Figure 2.

The treatment system is housed in a shed which contains the blowers, moisture separator drum, and carbon treatment. The treatment system consists of two 5.0 horsepower regenerative blowers that are connected to a piping manifold that conveys extracted air from nine extraction wells (SVE-1R through SVE-9R). Blower 1 is currently operational and conveys soil vapor from the eight extraction wells (SVE-1R, SVE-2R, SVE-3R, SVE-4R, SVE-5R, SVE-6R, SVE-7R, and SVE-9R. SVE-8R manifold is currently closed. Blower 2 is functional and on standby as a spare. At present, after passing through the manifold, moisture separator, and blower, the SVE effluent airstream is treated in series with two 55 lb drums of vapor phase activated carbon (VGAC) prior to discharge to the atmosphere. The system is equipped with a Sensaphone remote monitoring unit that will alert EAR if any alarm conditions are triggered. A process and Instrumentation Schematic made available to EAR is provided as Appendix A.

For monitoring of system performance, five soil vapor monitoring wells (SVM-1 through SVM-5) are located to the south and west of the system compound on the adjacent property. SVM well locations are presented on Figure 2.

2.0 O&M ACTIVITIES

2.1 SVE

EAR began O&M activities at this site starting in January 2021 with the first monthly system check conducted on January 22, 2021. Monthly O&M activities include, but are not limited to:

- General inspection and observations of all system components.
- Recording of hour meter readings on blowers.
- Recordings air flow, vacuum, and temperature readings from SVE manifold, and SVE effluent line.
- Screening of all wells, and effluent for VOCs using a photo-ionization detector (PID).
- Recording vacuum from SVM locations.
- Collection of VGAC-1 Influent (pre carbon treatment) and VGAC-2 Effluent (post carbon treatment) air samples.
- Routine maintenance of blowers and filters, as needed.

Based on review of prior reporting, the system is operating normally. System uptime for January 2021 is estimated at 100%.

2.1.1 O&M ACTIVITIES

- January 22, 2021:
  - The system was operating upon arrival to and departure from the site.
  - System operating parameters were monitored, recorded, and tabulated in a system data log. No other adjustments were made to air flow rates at each of the extraction well locations. Monitoring data collected during the site visit detailed in this report is provided as Table 1 and submitted separately in spreadsheet format.
  - The vacuum blower was inspected for proper operation and any potential maintenance issues.
  - Water was observed in individual manifold lines (prior to moisture separator tank) which prevented collection of PID readings.
  - The moisture separator tank was inspected.
  - The control panel and electrical distribution panel were found to be working as specified.
  - General site conditions were inspected and found to be in working condition. General housekeeping tasks were completed.
  - SVE system effluent stack was noted as broken.
  - Vacuum readings were recorded at SVM wells SVM-1, 2 and 4. Locations SVM-3 and 5 were inaccessible during this visit.

3.0 SYSTEM AIR SAMPLING

During the monthly site visit, SVE manifold and effluent air stream were screened in the field for Total VOCs using a PID. Prior to use, the PID was calibrated using a 100 ppm isobutylene standard and ambient air. PID utilized during the system evaluation is equipped with a sensor with standard 10.6 eV UV lamp.

On January 22, 2021, two air samples were collected from the carbon influent and effluent air streams for laboratory analysis. The samples were submitted to Eurofins TestAmerica Laboratories, Inc. of Knoxville, Tennessee (TAL – Knoxville) for analysis of VOCs via EPA method TO-15 with 10-day turnaround time and Category A deliverables requested. Field screening results for Total VOCs are summarized in Table 1, air analytical results are summarized in Table 3, and SVE effluent recovery data are summarized in Table 4.

TABLES

TABLE 1: SVE SYSTEM DATA LOG

TABLE 2: SVE SYSTEM MAINTENANCE LOG

TABLE 3: SVE SYSTEM AIR ANALYTICAL RESULTS

TABLE 4: SVE EFFLUENT RECOVERY

Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
Site No. 130080

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Soil Vapor Extraction System Data Log

System Evaluation Date		**1/22/2021**
SVE System Status on Arrival		on
SVE System Status on Departure		on
SVE Blower 1 Status		on
SVE Blower 1 Hour Meter Readings		39753.40
Hour Readings - Time Recorded		1/22/2021 9:20
Hours Since Last Site Visit		-
SVE Blower 2 Status		off
SVE Blower 2 Hour Meter Readings		26870.10
Technician(s)		MF
In-Line Filter Status		ok
Moisture Separator Water Level (% full)		33%
Manifold Legs / Wells		
SVE-1R	**Vacuum ("WC)**	-46.0
	Airflow (SCFM)	-
	PID (PPM)	*
SVE-2R	**Vacuum ("WC)**	-21.0
	Airflow (SCFM)	28.0
	PID (PPM)	*
SVE-3R	**Vacuum ("WC)**	-22.0
	Airflow (SCFM)	23.0
	PID (PPM)	*
SVE-4R	**Vacuum ("WC)**	-26.0
	Airflow (SCFM)	26.0
	PID (PPM)	*
SVE-5R	**Vacuum ("WC)**	-23.0
	Airflow (SCFM)	18.0
	PID (PPM)	*
SVE-6R	**Vacuum ("WC)**	-22.0
	Airflow (SCFM)	23.0
	PID (PPM)	*
SVE-7R	**Vacuum ("WC)**	-58.0
	Airflow (SCFM)	-
	PID (PPM)	*
SVE-8R	**Vacuum ("WC)**	closed
	Airflow (SCFM)	
	PID (PPM)	
SVE-9R	**Vacuum ("WC)**	-44.0
	Airflow (SCFM)	-
	PID (PPM)	*
Blower 2 **Inline Air Filter (F-3)**	**Vacuum ("WC)**	-45/-46
Inlet Vacuum	**Vacuum ("WC)**	-35.8
Fresh Air Valve	**% Open**	0.0
Inlet Temperature	**Temperature (°F)**	50.0
Outlet Temperature	**Temperature (°F)**	78.0
Outlet Pressure	**Pressure ("WC)**	7.0
Influent Carbon		
VGAC-1	**Airflow (SCFM)**	215.0
	Pressure ("WC)	5.4
	PID (PPM)	1.4
Mid Carbon		
VGAC-2	**Airflow (SCFM)**	215.0
	Pressure ("WC)	2.8
	PID (PPM)	0.6
Effluent Carbon		
VGAC-3	**Airflow (SCFM)**	195.0
	Pressure ("WC)	0.0
	PID (PPM)	0.1
Vapor Monitoring Points (VMPs)		
SVMP-1	**Vacuum ("WC)**	0.0
	PID (PPM)	0.0
SVMP-2	**Vacuum ("WC)**	0.0
	PID (PPM)	0.0
SVMP-3	**Vacuum ("WC)**	na
	PID (PPM)	na
SVMP-4	**Vacuum ("WC)**	0.0
	PID (PPM)	0.0
SVMP-5	**Vacuum ("WC)**	na
	PID (PPM)	na

Notes:
- Reading not collected/gauge at 0
*Water detected in lines
na - not accessible

Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
Site No. 130080

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Soil Vapor Extraction System Maintenance Log

Date	Purpose	SVE Operation upon arrival	SVE Operation upon departure	SVE Blower 1 in operation	SVE Blower 2 in operation	VGAC-1Influent air sampling conducted	VGAC-2Effluent air sampling conducted	Checked Blower 1 Filter	Approximate volume in knockout tank (% Full)	Notes
01/22/21	M	X	X	X		X	X	X	33%	System off from 1135-1200 in attempt to bleed out water in manifold/lines. Still unable to collect PID readings in individual lines due to excessive moisture/no drain location. SVE Effluent Stack is broken & scheduled for repair.

M - Monthly O&M Visit
R - Modifications/Repair/Troubleshooting/Emergency Response
O - Other

Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
Site No. 130080

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Air Samples Analyzed by EPA Method TO-15 (µg/m^3)

Sample Location	Date Collected	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	2,2,4-Trimethylpentane	Benzene	Chloroform	cis-1,2-Dichloroethene	Cyclohexane	Dichlorodifluoromethane	Ethanol	Ethylbenzene	Hexane	m + p Xylene	Methyl Ethyl Ketone	o-Xylene	t butylmethylether	Tetrachloroethene	Toluene	Total BTEX	Total VOCs	Trichloroethylene	Trichlorofluoromethane
VGAC-1Influent	1/22/2021	**10**	**6**	**16**	**2.3**	**1.2**	**3.4**	**5**	**2.3**	**12**	**6.2**	**5.4**	**15**	**22**	**6.3**	**2**	**52**	**72**	**102**	**241**	**0.74**	**1.5**
VGAC-2Effluent		<4.90	<4.90	**310**	**5.7**	<4.90	**2.5**	**19**	<4.90	<47	**20**	**27**	**44**	**22**	**12**	<7.20	**320**	**79**	**161**	**861**	<2.40	<5.60

Laboratory Analysis by Eurofins TestAmerica
The chemicals listed below were reported below the LRL:

1,1 Dichloroethane	1,3 Dichlorobenzene	Chlorobenzene	t 1,3 Dichloropropene
1,1 Dichloroethene	1,4 Dichlorobenzene	Chloroethane	Tert-Butyl Alcohol
1,1,1 Trichloroethane	1,4-Dioxane	Chloromethane	trans-1,2-Dichloroethene
1,1,2 Trichloroethane	4-Methyl-2-Pentanone	Dibromochloromethane	Vinyl Chloride
1,1,2,2 Tetrachloroethane	Benzyl Chloride	Freon 113	
1,2 Dibromoethane	Bromodichloromethane	Freon 114	
1,2 Dichlorobenzene	Bromoform	Hexachlorobutadiene	
1,2 Dichloroethane	Bromomethane	Methylene Chloride	
1,2 Dichloropropane	c 1,3 Dichloropropene	Naphthalene	
1,2,4 Trichlorobenzene	Carbon Tetrachloride	Styrene	

Table 4

Soil Vapor Extraction
Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
Site No. 130080

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Vapor Phase Recovery & Emissions - Total VOCs
Eurofins TestAmerica, Inc. (EPA Method TO-15)

Date/Time	Influent Flow Rate (CFM)	Effluent Flow Rate (CFM)	VGAC-1 Influent Recovery				VGAC-2 Effluent Emissions			
			($\mu g/m^3$)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	($\mu g/m^3$)	(lbs/hr)	(lbs/day)	Cumulative (lbs)
2021-01-22	215.0	195.0	241	0.00019	0.005	-	861	0.00063	0.015	-

FIGURES

FIGURE 1: SITE LAYOUT MAP

FIGURE 2: SITE MAP

FIGURE 1



Legend

Monitoring Well

- Not Located
- Located
- SVE Fence
- Site Boundary and Fence
- Approximate Extent of PCE-Impacted Soil

0 25 50 100 150 200 Feet

N

New York State Department of Environmental Conservation
Jimmy's Drycleaner
61 Nassau Road
Roosevelt, NY 11575
SITE MANAGEMENT PLAN

SITE LAYOUT

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

Document Path: Z:\GISProjects_ENV\NYSDEC Hoosick POET\NYSDEC Jimmys Site\Jimmys Site.mxd

OPERABLE UNITS 1&2

NYSDEC DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL CONSTRUCTION PROJECT
CONTRACT NO. D009345
SITE NO. 130080

FIGURE 2

ALTA/NSPS LAND TITLE SURVEY OF PROPERTY OF BREEN CAPITOL INVESTMENT CORPORATION

PART OF PLOT H ON SUBDIVISION MAP ENTITLED "REVISED MAP OF A PORTION OF FREEPORT LAWNS" FILED OCTOBER 17, 1934 AS MAP NO. 1006, CASE NO. 2972

LOCATED AT 61 NASSAU ROAD

ROOSEVELT

TOWN OF HEMPSTEAD
NASSAU COUNTY, NEW YORK

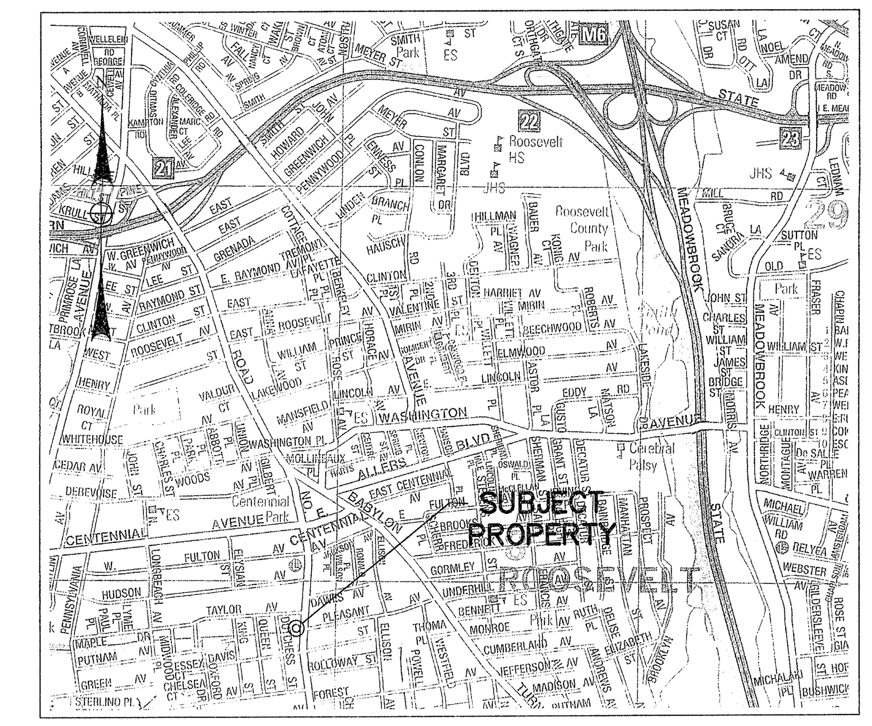
This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.

THE ENGINEERING AND INSTITUTIONAL CONTROLS for the Easement are set forth in more detail in the Site Management Plan ("SMP"). A copy of the SMP must be obtained by any party with an interest in the property. The SMP may be obtained from the New York State Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@gw.dec.state.ny.us.



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.



LOCATION SKETCH
N.T.S.

DEED(S) REFERENCES:

Deed from Wachovia Bank, N.A. to Breen Capital Investment Corporation, recorded on March 28, 2003 in Liber 11602 at page 279; and from County of Nassau to Town of Hempstead, recorded on March 11, 1997 in Liber 10755 at page 993; and from Lawrence Garafola to Jose A. Echeverria, recorded on April 18, 2007 in Liber 12256 at page 89; and from Celestial Wills-Jackson, Crystal D. Wills, Cleavon Wills and Clarence D. Wills to Crystal D. Wills (50%) and Briven D. Jackson and Celestial Wills-Jackson (50%), recorded on December 6, 2006 in Liber 12205 at page 258; and from Juan Perez to Jorge Armando Gonzalez and Evelyn Gonzalez recorded on October 15, 1984 in Liber 9590 at page321 as all can be found in the Nassau County Clerk's Office.

DESCRIPTION OF THE ENVIRONMENTAL EASEMENT

Subject Property as described in Liber 11602 of Deeds at Page 279:

All that certain plot, piece, or parcel of land, situate, lying and being in Roosevelt, Town of Hempstead, County of Nassau, State of New York, being part of Plot H on the subdivision map entitled "Revised Map of a Portion of Freeport Lawns," filed October 17, 1934 as Map No. 1006, Case No. 2972, said property being more particularly bounded and described as follows:

Beginning at a point on the westerly boundary line of Nassau Road (North Main Street),said point being South 15° 10' 24" West, a distance of 87.64 feet from the point formed by the intersection of the southerly boundary line of Taylor Avenue (Maple Avenue) and said westerly boundary line of Nassau Road (North Main Street);

Thence, from said point of beginning, continuing along said westerly boundary line of Nassau Road (North Main Street) the following two (2) courses and distances:

1. South 15° 10' 24" West, a distance of 48.01 feet to a point of curvature; thence
2. Southerly, along the arc of a curve to the left having a radius of 1300.00 feet and an arc length of 52.00 feet to a point on the division line between the Subject Property on the north and land now or formerly of Jose A. Echeverria on the south and east;

Thence, North 74° 49' 36" West, along said division line, a distance of 101.04 feet to a point;

Thence, South 15° 10' 24" East, continuing along said division line, a distance of 100.00 feet to a point on the division line between the Subject Parcel on the south and land now or formerly of Town of Hempstead on the north;

Thence, South 74° 49' 36" East, along said division line, a distance of 100.00 feet to the point or place of beginning.

Subject Property area being 10,018 square feet or 0.230 acre, more or less.

Subject Property is also designated as Nassau County Tax Lot 353 in Block 402 of Section 55.

NOTES

1. MEASUREMENTS ARE IN ACCORDANCE WITH U.S. STANDARDS.
2. BEARINGS SHOWN ARE REFERENCED TO A MAP ENTITLED "REVISED MAP OF A PORTION OF FREEPORT LAWNS," FILED IN THE NASSAU COUNTY CLERK'S OFFICE ON OCTOBER 17, 1934 AS MAP NO. 1006, CASE NO. 2792. THE SUBJECT PROPERTY IS PART OF PLOT H ON SAID MAP.
3. VERTICAL DATUM IS NGVD29 AS SHOWN IN CONTRACT PLANS ENTITLED "REMEDIAL CONSTRUCTION PROJECT, CONTRACT D009345," SUPPLIED BY CONTRACTOR PRIOR TO FIELD SURVEY.
4. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
5. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S "EMBOSSED" OR "INKED" SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
6. CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
7. RIGHTS-OF-WAY NOT SHOWN ARE NOT CERTIFIED.
8. THE SURVEY CLOSES MATHEMATICALLY.

LEGEND

GUY WIRE	FIRE HYDRANT
UTILITY LIGHT POLE	BOLLARD
UTILITY POLE	PHONE BOOTH
TRAFFIC SIGNAL POLE	SANITARY MANHOLE
TRAFFIC CONTROL BOX	DRAINAGE MANHOLE
GAS VALVE	ROUND DRAIN INLET
UNDERGROUND GAS	CURB INLET (NO GRATE)
OVERHEAD WIRES	MONITORING WELL
UNDERGROUND ELECTRIC	SAMPLE SITE
UNDERGROUND TRAFFIC	DECIDUOUS TREE

SURVEYOR'S CERTIFICATION:

Certified to: (1) The People of the State of New York acting through their Commissioner of the Department of Environmental Conservation and (2) The Town of Hempstead

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and does not include any optional items of Table A. Pursuant to the accuracy standards as adopted by ALTA and NSPS and in effect on the date of this certification, undersigned further certifies that in my professional opinion, as a land surveyor registered in the state of New York, the relative positional accuracy of this survey does not exceed that which is specified therein.

I hereby certify that this map was made from an actual survey completed by me on 01/27/2017.

DANIEL P. JEDLICKA, P.L.S.
NYSPLS No. 50098

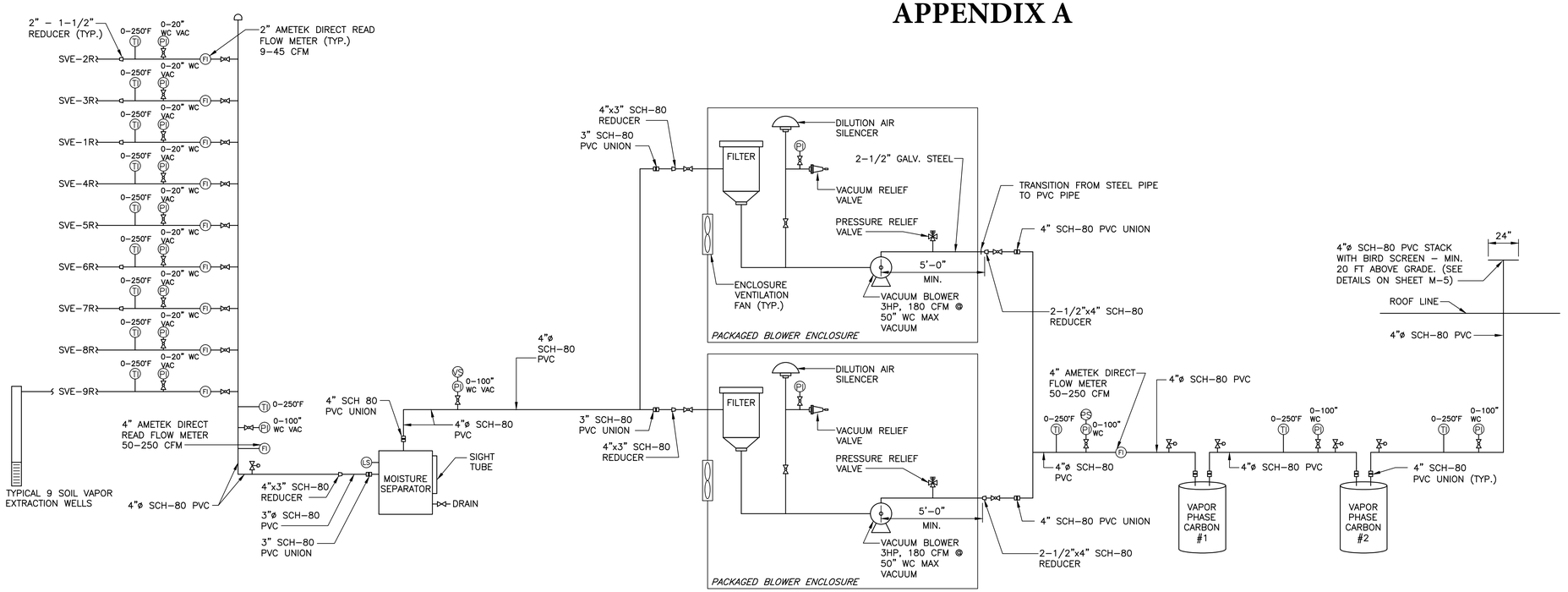
L. K. McLEAN ASSOCIATES, P.C.
CONSULTING ENGINEERS & SURVEYORS
437 SOUTH COUNTRY ROAD
BROOKHAVEN, NEW YORK 11719
(631)286-8668

MADE BY:	TLS	DATE:	2/01/2017
COMPILED BY:	TLS	DATE:	7/30/2015
CHECKED BY:	DPJ	DATE:	2/02/2017

C:\Vault Working Folder\15074.000\Design Files\Survey\15074.000_DFF_SUR_ALTA Survey_0.dwg 2/27/2017 8:28 AM Tamara Stillman

APPENDIX A

APPENDIX A



LEGEND:

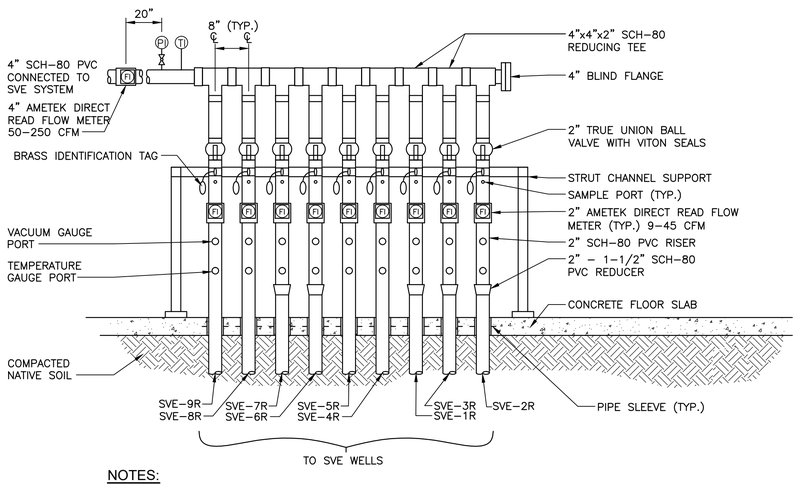
- FI FLOW INDICATOR
- LS HIGH LEVEL SWITCH
- PI PRESSURE INDICATOR
- TI TEMPERATURE INDICATOR
- VS VACUUM SWITCH
- PS PRESSURE SWITCH
- GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE
- PRESSURE REGULATOR
- PRESSURE/VACUUM RELIEF VALVE
- UNION
- REDUCER
- PIPE CAP
- SAMPLE PORT
- VACUUM BLOWER

NOTES:

1. LAYOUT OF SVE SYSTEM FOR CONCEPT ONLY. CONTRACTOR MAY ALTER SYSTEM THAT MEETS THE MINIMUM SPECIFIED REQUIREMENTS AT NO ADDITIONAL COST TO THE DEPARTMENT.
2. FLOW INDICATOR TO READ IN DIRECT CFM.

PROCESS AND INSTRUMENTATION SCHEMATIC

NOT TO SCALE



NOTES:

1. LAYOUT OF SVE SYSTEM FOR CONCEPT ONLY. CONTRACTOR MAY ALTER SYSTEM THAT MEETS THE MINIMUM SPECIFIED REQUIREMENTS AT NO ADDITIONAL COST TO THE DEPARTMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING NECESSARY PIPE HANGARS AND SUPPORTS FOR PIPING SYSTEM SPECIFIED CONSISTENT WITH THE REQUIREMENTS SET FORTH IN THE SPECIFICATIONS AND AS DIRECTED BY THE OWNER.

SVE PIPE RISER/MANIFOLD SCHEMATIC

NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL PROVIDE AN ENCLOSURE OR STRUCTURE THAT MEETS THE FOLLOWING REQUIREMENTS AND PROVIDES AN INSULATED, WEATHER TIGHT ENCLOSURE THAT WILL REMAIN WEATHER TIGHT FOR THE DURATION OF THE ANTICIPATED OPERATIONAL PERIOD OF TWO YEARS.
2. FOLLOW BUILDING MANUFACTURERS INSTRUCTIONS TO INSTALL THE BUILDING STRUCTURE.
3. CONCRETE CONSTRUCTION SHALL CONFORM TO CODE ACI 318.
4. CONCRETE SHALL BE CONTROLLED AIR ENTRAINED, WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
5. REINFORCING SHALL BE DEFORMED BARS NEW BILLET STEEL CONFORMING TO ASTM–A615, GRADE 60.
6. DRAIN FOUNDATION EXCAVATION DURING CONSTRUCTION AS REQUIRED.
7. CONSTRUCTION JOINTS NOT SHOWN MUST BE SUBMITTED BY THE CONTRACTOR FOR THE APPROVAL OF THE ENGINEER.
8. ALL EXPOSED EDGES OF CONCRETE TO HAVE A 3/4" CHAMFER.
9. CONTRACTOR SHALL NOT DISTURB/CUT REINFORCING STEEL WHEN INSTALLING CONDUITS THROUGH FOUNDATION WALL. CONTRACTOR SHALL BE REQUIRED INSTALL STEEL SLEEVES WITH SILICONE CAULKING AS DIRECTED.
10. COORDINATE LOCATION WITH MECHANICAL EQUIPMENT.
11. CONTRACTOR TO SLEEVE THE FOUNDATION SLAB FOR SVE PIPING PENETRATIONS.

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK LAW, SECTION 7209.2.

ARCADIS
ARCADIS OF NEW YORK, INC.

STATE OF NEW YORK · DANIEL JOHN LOEWENHERZ · LIC. NO. 086558 · LICENSED PROFESSIONAL ENGINEER
10-3-14

REVISIONS			
NO.	BY	DATE	REMARKS

DES TAM
DWN SMH
CKD DJL

NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

JIMMY'S DRY CLEANERS SITE-OPERABLE UNITS 1&2
REMEDIAL CONSTRUCTION PROJECT

CONTRACT D009345

SVE SYSTEM SCHEMATICS AND NOTES

SCALE: AS SHOWN

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DATE JULY 2014

M SHEET 3 OF 4

CAD REF. NO. 00266415-M03

USER: HAUSMANN FILENAME: G:\ACAD\PROJ\00266415.0000\FINAL DWGS\00266415–M03.DWG SAVE DATE: 6/9/2014 11:24 AM PLOT DATE: 10/3/2014 10:17 AM

MONTHLY PROGRESS REPORT
SITE OPERATION & MAINTENANCE

JIMMY'S DRY CLEANERS

61 NASSAU ROAD

ROOSEVELT, NEW YORK

SITE#: 130080

Prepared For:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

New York State - Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233

Prepared By:

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, NY 11772

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1.1 SYSTEM DESCRIPTION: SVE ..... - 1 -

2.0 O&M ACTIVITIES ..... **- 2 -**

2.1 SVE ..... - 2 -

2.1.1 O&M Activities ..... - *2* -

3.0 SYSTEM AIR SAMPLING ..... **- 3 -**

TABLES ..... **- A -**

TABLE 1: SVE SYSTEM DATA LOG ..... - A -

TABLE 2: SVE SYSTEM MAINTENANCE LOG ..... - A -

TABLE 3: SVE SYSTEM AIR ANALYTICAL RESULTS ..... - A -

TABLE 4: SVE EFFLUENT RECOVERY ..... - A -

FIGURES ..... **- B -**

FIGURE 1: SITE LAYOUT MAP ..... - B -

FIGURE 2: SITE MAP ..... - B -

APPENDIX A ..... **- C -**

1.0 INTRODUCTION

This document represents the monthly progress report for the operation and maintenance (O&M) activities at Jimmy's Dry Cleaners, New York State Department of Environmental Conservation (NYSDEC) Site No. 130080. The site is located at 61 Nassau Road in the hamlet of Roosevelt, Nassau County, New York. The project site is located southwest of the intersection of Nassau Road and Taylor Avenue and was a former dry-cleaner site. The site property and system shed are secured with perimeter chain-link fencing. The surrounding area is a mix of residential to the north and west and commercial to the south and east. A site layout map is provided as Figure 1.

This report summarizes the March 2021 operation and maintenance (O&M) activities conducted at this site to summarize the current Soil Vapor Extraction (SVE) System. A surveyed map of the site and system location is provided as Figure 2.

1.1 SYSTEM DESCRIPTION: SVE

The SVE system compound is located in the southwest corner of the site property. The SVE system operation is comprised of nine extraction wells. Three SVE wells (SVE-1R, SVE-2R and SVE-3R) are located on the site property. The remaining four SVE wells (SVE-4R through SVE-9R) are located along the southern and western property line on the adjacent property. Well locations are shown in Figure 2.

The treatment system is housed in a shed which contains the blowers, moisture separator drum, and carbon treatment. The treatment system consists of two 5.0 horsepower regenerative blowers that are connected to a piping manifold that conveys extracted air from nine extraction wells (SVE-1R through SVE-9R). Blower 2 is currently operational and conveys soil vapor from the eight extraction wells (SVE-1R, SVE-2R, SVE-3R, SVE-4R, SVE-5R, SVE-6R, SVE-7R, and SVE-9R. SVE-8R manifold is currently closed. Blower 1 is functional and on standby as a spare. At present, after passing through the manifold, moisture separator, and blower, the SVE effluent airstream is treated in series with two 55 lb drums of vapor phase activated carbon (VGAC) prior to discharge to the atmosphere. The system is equipped with a Sensaphone remote monitoring unit that will alert EAR if any alarm conditions are triggered. A process and Instrumentation Schematic made available to EAR is provided as Appendix A.

For monitoring of system performance, five soil vapor monitoring wells (SVM-1 through SVM-5) are located to the south and west of the system compound on the adjacent property. SVM well locations are presented on Figure 2.

2.0 O&M ACTIVITIES

2.1 SVE

EAR began O&M activities at this site starting in January 2021 with the first monthly system check conducted on January 22, 2021. Monthly O&M activities include, but are not limited to:

- General inspection and observations of all system components.
- Recording of hour meter readings on blowers.
- Recording of air flow, vacuum, and temperature readings from SVE manifold, and SVE effluent line.
- Screening of all wells, and effluent for VOCs using a photo-ionization detector (PID).
- Recording vacuum from SVM locations.
- Collection of VGAC-1 Influent (pre carbon treatment) and VGAC-2 Effluent (post carbon treatment) air samples.
- Routine maintenance of blowers and filters, as needed.

Based on review of prior reporting, the system is operating normally. System uptime for March 2021 is estimated at 100%.

2.1.1 O&M ACTIVITIES

- March 16, 2021:
  - The system was operating upon arrival to and departure from the site.
  - System operating parameters were monitored, recorded, and tabulated in a system data log. No other adjustments were made to air flow rates at each of the extraction well locations. Monitoring data collected during the site visit detailed in this report is provided as Table 1 and submitted separately in spreadsheet format.
  - The vacuum blower was inspected for proper operation and any potential maintenance issues.
  - Water was observed in individual manifold lines (prior to moisture separator tank) which prevented collection of PID readings at SVE-1R and SVE-7R.
  - The moisture separator tank was inspected.
  - The control panel and electrical distribution panel were found to be working as specified.
  - General site conditions were inspected and found to be in working condition. General housekeeping tasks were completed.
  - Vacuum and PID readings were collected at accessible SVM well head locations: SVMP-1 and SVMP-2

3.0 SYSTEM AIR SAMPLING

During the monthly site visit, SVE manifold and effluent air stream were screened in the field for Total VOCs using a PID. Prior to use, the PID was calibrated using a 100 ppm isobutylene standard and ambient air. PID utilized during the system evaluation is equipped with a sensor with standard 10.6 eV UV lamp.

On March 16, 2021, two air samples were collected from the carbon influent and effluent air streams for laboratory analysis. The samples were submitted to Eurofins TestAmerica Laboratories, Inc. of Knoxville, Tennessee (TAL – Knoxville) for analysis of VOCs via EPA method TO-15 with 10-day turnaround time and Category A deliverables requested. Field screening results for Total VOCs are summarized in Table 1, air analytical results are summarized in Table 3, and SVE effluent recovery data are summarized in Table 4.

TABLES

TABLE 1: SVE SYSTEM DATA LOG

TABLE 2: SVE SYSTEM MAINTENANCE LOG

TABLE 3: SVE SYSTEM AIR ANALYTICAL RESULTS

TABLE 4: SVE EFFLUENT RECOVERY

Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
Site No. 130080

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Soil Vapor Extraction System Data Log

System Evaluation Date		**1/22/2021**	**2/17/2021**	**3/16/2021**
SVE System Status on Arrival		on	on	on
SVE System Status on Departure		on	on	on
Hour Readings - Time Recorded		1/22/2021 9:20	2/17/2021 9:30	3/16/2021 8:02
SVE Blower 1 Status		off	off	off
SVE Blower 1 Hour Meter Readings		26870.10	26870.10	26870.10
Hours Since Last Site Visit		-	0	0
SVE Blower 2 Status		on	on	on
SVE Blower 2 Hour Meter Readings		39753.40	40377.50	41023.20
Hours Since Last Site Visit		-	624.10	645.70
Technician(s)		MF	MF	JB
In-Line Filter Status		ok	ok	ok
Moisture Separator Water Level (% full)		33%	33%	33%
Manifold Legs / Wells				
SVE-1R	**Vacuum ("WC)**	-46.0	-45.0	-46.0
	Airflow (SCFM)	-	-	0.0
	PID (PPM)	*	*	*
SVE-2R	**Vacuum ("WC)**	-21.0	-21.0	-22.0
	Airflow (SCFM)	28.0	43.0	49.0
	PID (PPM)	*	1.3	0.4
SVE-3R	**Vacuum ("WC)**	-22.0	-22.0	-22.0
	Airflow (SCFM)	23.0	37.0	30.0
	PID (PPM)	*	0.5	0.0
SVE-4R	**Vacuum ("WC)**	-26.0	-26.0	-26.0
	Airflow (SCFM)	26.0	38.0	34.0
	PID (PPM)	*	0.1	0.1
SVE-5R	**Vacuum ("WC)**	-23.0	-24.0	-21.0
	Airflow (SCFM)	18.0	30.0	29.0
	PID (PPM)	*	0.3	0.3
SVE-6R	**Vacuum ("WC)**	-22.0	-22.0	-22.0
	Airflow (SCFM)	23.0	37.0	36.0
	PID (PPM)	*	0.0	0.2
SVE-7R	**Vacuum ("WC)**	-58.0	-58.0	-56.0
	Airflow (SCFM)	-	-	0.0
	PID (PPM)	*	*	*
SVE-8R	**Vacuum ("WC)**	closed	closed	closed
	Airflow (SCFM)			
	PID (PPM)			
SVE-9R	**Vacuum ("WC)**	-44.0	-44.0	-42.0
	Airflow (SCFM)	-	-	0.0
	PID (PPM)	*	*	0.1
Blower 2 **Inline Air Filter (F-3)**	**Vacuum ("WC)**	-45/-46	-46.0	-46.0
Blower 2 **Inlet Vacuum**	**Vacuum ("WC)**	-35.8	-31.4	-44.0
Blower 2 **Fresh Air Valve**	**% Open**	0	0	0
Blower 2 **Inlet Temperature**	**Temperature (°F)**	50.0	44.0	49.0
Blower 2 **Outlet Temperature**	**Temperature (°F)**	78.0	80.0	80.0
Blower 2 **Outlet Pressure**	**Pressure ("WC)**	7.0	7.5	7.0
Influent Carbon				
VGAC-1	**Airflow (SCFM)**	215	205	200
	Pressure ("WC)	5.4	5.5	-
	PID (PPM)	1.4	2.1	0.8
Mid Carbon				
VGAC-2	**Airflow (SCFM)**	-	-	-
	Pressure ("WC)	2.8	1.5	-
	PID (PPM)	0.6	2.4	0.7
Effluent Carbon				
VGAC-3	**Airflow (SCFM)**	195.0	202.0	200.0
	Pressure ("WC)	0.0	0.0	-
	PID (PPM)	0.1	0.5	0.4
Vapor Monitoring Points (VMPs)				
SVMP-1	**Vacuum ("WC)**	0.0	na	-0.2
	PID (PPM)	0.0	na	0.0
SVMP-2	**Vacuum ("WC)**	0.0	na	0.0
	PID (PPM)	0.0	na	0.0
SVMP-3	**Vacuum ("WC)**	na	na	na
	PID (PPM)	na	na	na
SVMP-4	**Vacuum ("WC)**	0.0	na	na
	PID (PPM)	0.0	na	na
SVMP-5	**Vacuum ("WC)**	na	na	na
	PID (PPM)	na	na	na

Notes:
- Reading not collected/gauge at 0
*Water detected in lines
na - not accessible

Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
Site No. 130080

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Soil Vapor Extraction System Maintenance Log

Date	Purpose	SVE Operation upon arrival	SVE Operation upon departure	SVE Blower 1 in operation	SVE Blower 2 in operation	VGAC-1Influent air sampling conducted	VGAC-2Effluent air sampling conducted	Checked Blower 2 Filter	Approximate volume in knockout tank (% Full)	Notes
01/22/21	M	X	X		X	X	X	X	33%	System off from 1135-1200 in attempt to bleed out water in manifold/lines. Still unable to collect PID readings in individual lines due to excessive moisture/no drain location. SVE Effluent Stack is broken & scheduled for repair.
02/11/21	R	X	X		X					Repair completed to SVE effluent stack.
02/17/21	M	X	X		X	X	X	X	33%	Water was observed in individual manifold lines. SVM wells were inaccessible due to snow.
03/16/21	M	X	X		X	X	X	X	33%	Water was observed in individual manifold lines. SVM-4 was blocked and SVM-3 & SVM-5 remained inaccessible.

M - Monthly O&M Visit
R - Modifications/Repair/Troubleshooting/Emergency Response
O - Other

Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
Site No. 130080

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Air Samples Analyzed by EPA Method TO-15 (µg/m^3)

Sample Location	Date Collected	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	2,2,4-Trimethylpentane	4-Methyl-2-Pentanone	Benzene	Chloroform	cis-1,2-Dichloroethene	Cyclohexane	Dichlorodifluoromethane	Ethanol	Ethylbenzene	Hexane	m + p Xylene	Methyl Ethyl Ketone	o-Xylene	t butylmethylether	Tetrachloroethene	Toluene	Total BTEX	Total VOCs	Trichloroethylene	Trichlorofluoromethane
VGAC-1Influent	1/22/2021	**10**	**6**	**16**	<2	**2.3**	**1.2**	**3.4**	**5**	**2.3**	**12**	**6.2**	**5.4**	**15**	**22**	**6.3**	**2**	**52**	**72**	**102**	**241**	**0.74**	**1.5**
VGAC-2Effluent		<4.90	<4.90	**310**	<10	**5.7**	<4.90	**2.5**	**19**	<4.90	<47	**20**	**27**	**44**	**22**	**12**	<7.20	**320**	**79**	**161**	**861**	<2.40	<5.60
VGAC-1Influent	2/17/2021	**37**	**15**	<2.30	**2.3**	<0.64	**1.4**	**2.7**	<1.70	**2.2**	**130**	<0.87	<1.80	**1.9**	<2.40	**1.4**	<1.40	**23**	**1.3**	**5**	**220**	**0.57**	**1.4**
VGAC-2Effluent		<3.90	<3.90	**260**	<8.20	<2.60	<3.90	**2.2**	<6.90	<4	**110**	**13**	**11**	**30**	<9.40	**8.1**	<5.80	**230**	**43**	**94**	**707**	<1.90	<4.50
VGAC-1Influent	3/16/2021	**29**	**12**	<2.30	<2	<0.64	**1.4**	**2.6**	<1.70	**2.1**	<9.40	<0.87	<1.80	<0.87	<2.40	<0.87	<1.40	**160**	<1.10	<4.35	**209**	**0.65**	**1.4**
VGAC-2Effluent		**4.5**	<3.90	**210**	<8.20	<2.60	<3.90	**2.4**	<6.90	<4	<38	**14**	**7.6**	**38**	<9.40	**11**	<5.80	**220**	**37**	**100**	**545**	<1.90	<4.50

Laboratory Analysis by Eurofins TestAmerica
The chemicals listed below were reported below the LRL:

1,1 Dichloroethane	1,3 Dichlorobenzene	Chloroethane	Tert-Butyl Alcohol
1,1 Dichloroethene	1,4 Dichlorobenzene	Chloromethane	trans-1,2-Dichloroethene
1,1,1 Trichloroethane	1,4-Dioxane	Dibromochloromethane	Vinyl Chloride
1,1,2 Trichloroethane	Benzyl Chloride	Freon 113	
1,1,2,2 Tetrachloroethane	Bromodichloromethane	Freon 114	
1,2 Dibromoethane	Bromoform	Hexachlorobutadiene	
1,2 Dichlorobenzene	Bromomethane	Methylene Chloride	
1,2 Dichloroethane	c 1,3 Dichloropropene	Naphthalene	
1,2 Dichloropropane	Carbon Tetrachloride	Styrene	
1,2,4 Trichlorobenzene	Chlorobenzene	t 1,3 Dichloropropene	

Soil Vapor Extraction
Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
Site No. 130080

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Vapor Phase Recovery & Emissions - Total VOCs
Eurofins TestAmerica, Inc. (EPA Method TO-15)

Date/Time	Influent Flow Rate (CFM)	Effluent Flow Rate (CFM)	VGAC-1 Influent Recovery				VGAC-2 Effluent Emissions			
			($\mu g/m^3$)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	($\mu g/m^3$)	(lbs/hr)	(lbs/day)	Cumulative (lbs)
1/22/21 10:00 AM	215.0	195.0	241	0.00019	0.005	0	861	0.00063	0.015	0
2/17/21 11:10 AM	205.0	202.0	220	0.00017	0.004	0.121	707	0.00054	0.013	0.393
3/16/21 9:30 AM	200.0	200.0	209	0.00016	0.004	0.231	545	0.00041	0.010	0.739
AVERAGE:	**207**	**199**								

FIGURES

FIGURE 1: SITE LAYOUT MAP

FIGURE 2: SITE MAP

FIGURE 1



Legend

Monitoring Well

- Not Located
- Located
- SVE Fence
- Site Boundary and Fence
- Approximate Extent of PCE-Impacted Soil

0 25 50 100 150 200 Feet

N

New York State Department of Environmental Conservation
Jimmy's Drycleaner
61 Nassau Road
Roosevelt, NY 11575
SITE MANAGEMENT PLAN

SITE LAYOUT

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

Document Path: Z:\GISProjects_ENV\NYSDEC Hoosick POET\NYSDEC Jimmys Site\Jimmys Site.mxd

OPERABLE UNITS 1&2

NYSDEC DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL CONSTRUCTION PROJECT
CONTRACT NO. D009345
SITE NO. 130080

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.

THE ENGINEERING AND INSTITUTIONAL CONTROLS for the Easement are set forth in more detail in the Site Management Plan ("SMP"). A copy of the SMP must be obtained by any party with an interest in the property. The SMP may be obtained from the New York State Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@gw.dec.state.ny.us.

FIGURE 2

ALTA/NSPS LAND TITLE SURVEY OF PROPERTY OF BREEN CAPITOL INVESTMENT CORPORATION

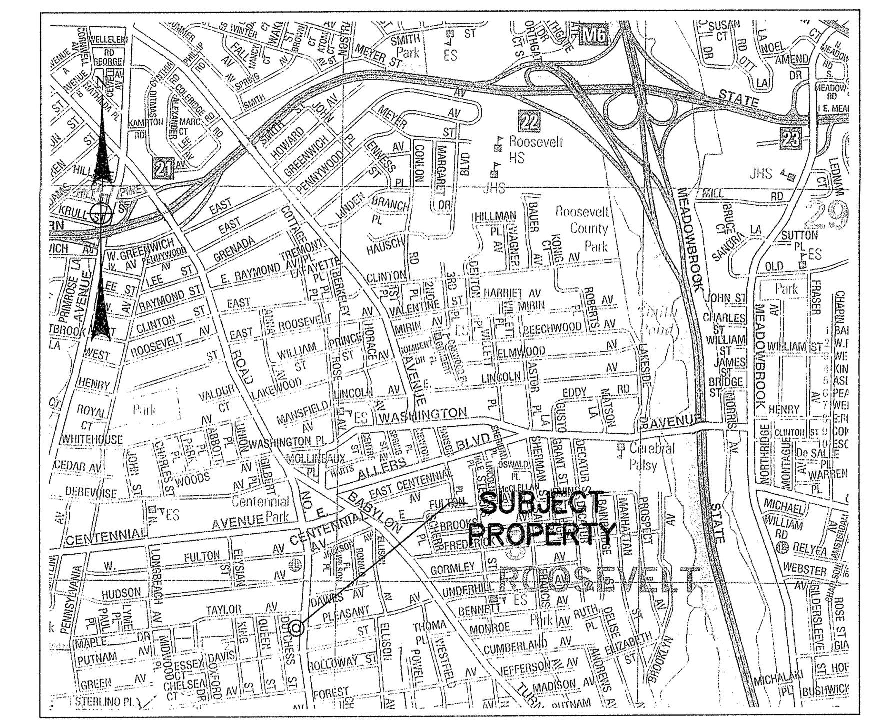
PART OF PLOT H ON SUBDIVISION MAP ENTITLED
"REVISED MAP OF A PORTION OF FREEPORT LAWNS"
FILED OCTOBER 17, 1934 AS MAP NO. 1006, CASE NO. 2972
LOCATED AT
61 NASSAU ROAD
ROOSEVELT
TOWN OF HEMPSTEAD
NASSAU COUNTY, NEW YORK

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.



LOCATION SKETCH

N.T.S.



DEED(S) REFERENCES:

Deed from Wachovia Bank, N.A. to Breen Capital Investment Corporation, recorded on March 28, 2003 in Liber 11602 at page 279; and from County of Nassau to Town of Hempstead, recorded on March 11, 1997 in Liber 10755 at page 993; and from Lawrence Garafola to Jose A. Echeverria, recorded on April 18, 2007 in Liber 12256 at page 89; and from Celestial Wills-Jackson, Crystal D. Wills, Cleavon Wills and Clarence D. Wills to Crystal D. Wills (50%) and Briven D. Jackson and Celestial Wills-Jackson (50%), recorded on December 6, 2006 in Liber 12205 at page 258; and from Juan Perez to Jorge Armando Gonzalez and Evelyn Gonzalez recorded on October 15, 1984 in Liber 9590 at page321 as all can be found in the Nassau County Clerk's Office.

DESCRIPTION OF THE ENVIRONMENTAL EASEMENT

Subject Property as described in Liber 11602 of Deeds at Page 279:

All that certain plot, piece, or parcel of land, situate, lying and being in Roosevelt, Town of Hempstead, County of Nassau, State of New York, being part of Plot H on the subdivision map entitled "Revised Map of a Portion of Freeport Lawns," filed October 17, 1934 as Map No. 1006, Case No. 2972; said property being more particularly bounded and described as follows:

Beginning at a point on the westerly boundary line of Nassau Road (North Main Street),said point being South 15° 10' 24" West, a distance of 67.64 feet from the point formed by the intersection of the southerly boundary line of Taylor Avenue (Maple Avenue) and said westerly boundary line of Nassau Road (North Main Street);

Thence, from said point of beginning, continuing along said westerly boundary line of Nassau Road (North Main Street) the following two (2) courses and distances:

1. South 15° 10' 24" West, a distance of 48.01 feet to a point of curvature; thence
2. Southerly, along the arc of a curve to the left having a radius of 1300.00 feet and an arc length of 52.00 feet to a point on the division line between the Subject Property on the north and land now or formerly of Jose A. Echeverria on the south and east;

Thence, North 74° 49' 36" West, along said division line, a distance of 101.04 feet to a point;

Thence, South 15° 10' 24" East, continuing along said division line, a distance of 100.00 feet to a point on the division line between the Subject Parcel on the south and land now or formerly of Town of Hempstead on the north;

Thence, South 74° 49' 36" East, along said division line, a distance of 100.00 feet to the point or place of beginning.

Subject Property area being 10,018 square feet or 0.230 acre, more or less.

Subject Property is also designated as Nassau County Tax Lot 353 in Block 402 of Section 55.

NOTES

1. MEASUREMENTS ARE IN ACCORDANCE WITH U.S. STANDARDS.
2. BEARINGS SHOWN ARE REFERENCED TO A MAP ENTITLED "REVISED MAP OF A PORTION OF FREEPORT LAWNS," FILED IN THE NASSAU COUNTY CLERK'S OFFICE ON OCTOBER 17, 1934 AS MAP NO. 1006, CASE NO. 2792. THE SUBJECT PROPERTY IS PART OF PLOT H ON SAID MAP.
3. VERTICAL DATUM IS NGVD29 AS SHOWN IN CONTRACT PLANS ENTITLED "REMEDIAL CONSTRUCTION PROJECT, CONTRACT D009345," SUPPLIED BY CONTRACTOR PRIOR TO FIELD SURVEY.
4. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
5. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S "EMBOSSED" OR "INKED" SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
6. CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
7. RIGHTS-OF-WAY NOT SHOWN ARE NOT CERTIFIED.
8. THE SURVEY CLOSES MATHEMATICALLY.

LEGEND

GUY WIRE	FIRE HYDRANT
UTILITY LIGHT POLE	BOLLARD
UTILITY POLE	PHONE BOOTH
TRAFFIC SIGNAL POLE	SANITARY MANHOLE
TRAFFIC CONTROL BOX	DRAINAGE MANHOLE
GAS VALVE	ROUND DRAIN INLET
UNDERGROUND GAS	CURB INLET (NO GRATE)
OVERHEAD WIRES	MONITORING WELL
UNDERGROUND ELECTRIC	SAMPLE SITE
UNDERGROUND TRAFFIC	DECIDUOUS TREE

SURVEYOR'S CERTIFICATION:

Certified to: (1) The People of the State of New York acting through their Commissioner of the Department of Environmental Conservation and (2) The Town of Hempstead

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and does not include any optional items of Table A. Pursuant to the accuracy standards as adopted by ALTA and NSPS and in effect on the date of this certification, undersigned further certifies that in my professional opinion, as a land surveyor registered in the state of New York, the relative positional accuracy of this survey does not exceed that which is specified therein.

I hereby certify that this map was made from an actual survey completed by me on 01/27/2017.

STATE OF NEW YORK · DANIEL PETER JEDLICKA · No. 050098 · LICENSED LAND SURVEYOR

DANIEL P. JEDLICKA, P.L.S.
NYSPLS No. 50098

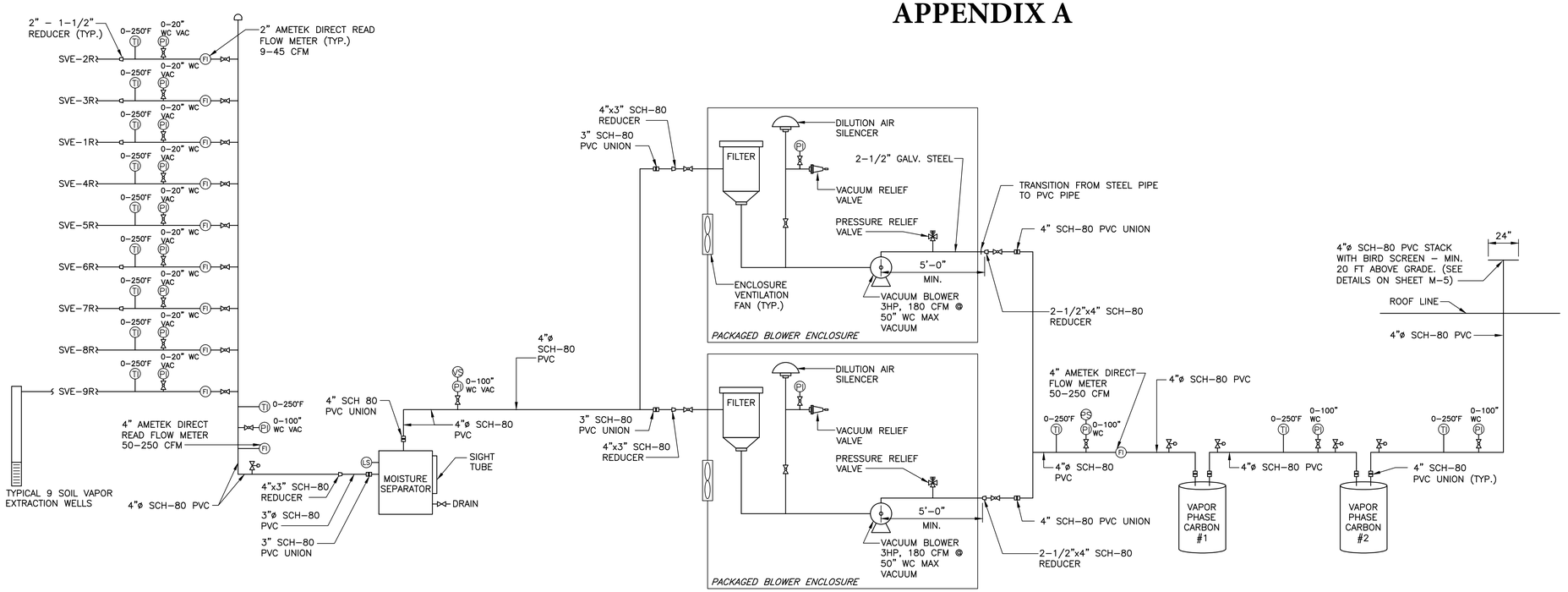
L. K. McLEAN ASSOCIATES, P.C.
CONSULTING ENGINEERS & SURVEYORS
437 SOUTH COUNTRY ROAD
BROOKHAVEN, NEW YORK 11719
(631)286-8668

MADE BY:	TLS	DATE:	2/01/2017
COMPILED BY:	TLS	DATE:	7/30/2015
CHECKED BY:	DPJ	DATE:	2/02/2017

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APPENDIX A

APPENDIX A



LEGEND:

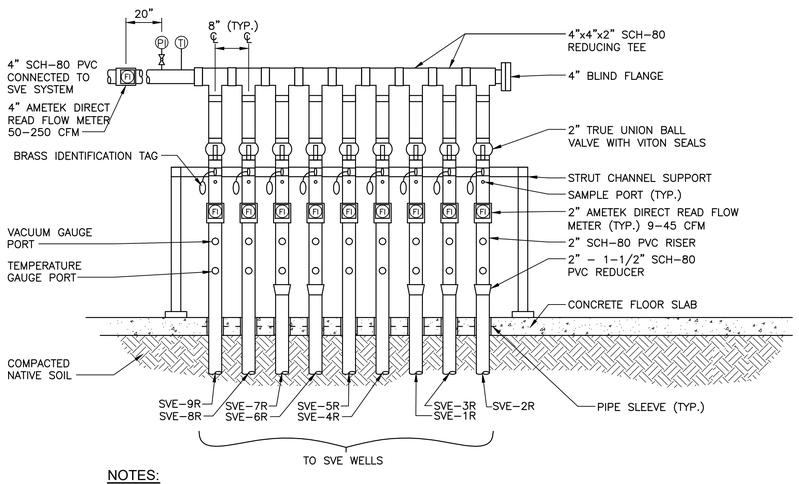
- FI FLOW INDICATOR
- LS HIGH LEVEL SWITCH
- PI PRESSURE INDICATOR
- TI TEMPERATURE INDICATOR
- VS VACUUM SWITCH
- PS PRESSURE SWITCH
- GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE
- PRESSURE REGULATOR
- PRESSURE/VACUUM RELIEF VALVE
- UNION
- REDUCER
- PIPE CAP
- SAMPLE PORT
- VACUUM BLOWER

NOTES:

1. LAYOUT OF SVE SYSTEM FOR CONCEPT ONLY. CONTRACTOR MAY ALTER SYSTEM THAT MEETS THE MINIMUM SPECIFIED REQUIREMENTS AT NO ADDITIONAL COST TO THE DEPARTMENT.
2. FLOW INDICATOR TO READ IN DIRECT CFM.

PROCESS AND INSTRUMENTATION SCHEMATIC

NOT TO SCALE



NOTES:

1. LAYOUT OF SVE SYSTEM FOR CONCEPT ONLY. CONTRACTOR MAY ALTER SYSTEM THAT MEETS THE MINIMUM SPECIFIED REQUIREMENTS AT NO ADDITIONAL COST TO THE DEPARTMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING NECESSARY PIPE HANGARS AND SUPPORTS FOR PIPING SYSTEM SPECIFIED CONSISTENT WITH THE REQUIREMENTS SET FORTH IN THE SPECIFICATIONS AND AS DIRECTED BY THE OWNER.

SVE PIPE RISER/MANIFOLD SCHEMATIC

NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL PROVIDE AN ENCLOSURE OR STRUCTURE THAT MEETS THE FOLLOWING REQUIREMENTS AND PROVIDES AN INSULATED, WEATHER TIGHT ENCLOSURE THAT WILL REMAIN WEATHER TIGHT FOR THE DURATION OF THE ANTICIPATED OPERATIONAL PERIOD OF TWO YEARS.
2. FOLLOW BUILDING MANUFACTURERS INSTRUCTIONS TO INSTALL THE BUILDING STRUCTURE.
3. CONCRETE CONSTRUCTION SHALL CONFORM TO CODE ACI 318.
4. CONCRETE SHALL BE CONTROLLED AIR ENTRAINED, WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
5. REINFORCING SHALL BE DEFORMED BARS NEW BILLET STEEL CONFORMING TO ASTM–A615, GRADE 60.
6. DRAIN FOUNDATION EXCAVATION DURING CONSTRUCTION AS REQUIRED.
7. CONSTRUCTION JOINTS NOT SHOWN MUST BE SUBMITTED BY THE CONTRACTOR FOR THE APPROVAL OF THE ENGINEER.
8. ALL EXPOSED EDGES OF CONCRETE TO HAVE A 3/4" CHAMFER.
9. CONTRACTOR SHALL NOT DISTURB/CUT REINFORCING STEEL WHEN INSTALLING CONDUITS THROUGH FOUNDATION WALL. CONTRACTOR SHALL BE REQUIRED INSTALL STEEL SLEEVES WITH SILICONE CAULKING AS DIRECTED.
10. COORDINATE LOCATION WITH MECHANICAL EQUIPMENT.
11. CONTRACTOR TO SLEEVE THE FOUNDATION SLAB FOR SVE PIPING PENETRATIONS.

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW, SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK LAW, SECTION 7209.2.

ARCADIS
ARCADIS OF NEW YORK, INC.

STATE OF NEW YORK · DANIEL JOHN LOEWENHERZ · LIC. NO. 086558 · LICENSED PROFESSIONAL ENGINEER
10-3-14

REVISIONS			
NO.	BY	DATE	REMARKS

DES TAM
DWN SMH
CKD DJL

NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

JIMMY'S DRY CLEANERS SITE-OPERABLE UNITS 1&2
REMEDIAL CONSTRUCTION PROJECT

CONTRACT D009345

SVE SYSTEM SCHEMATICS AND NOTES

SCALE: AS SHOWN

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DATE JULY 2014

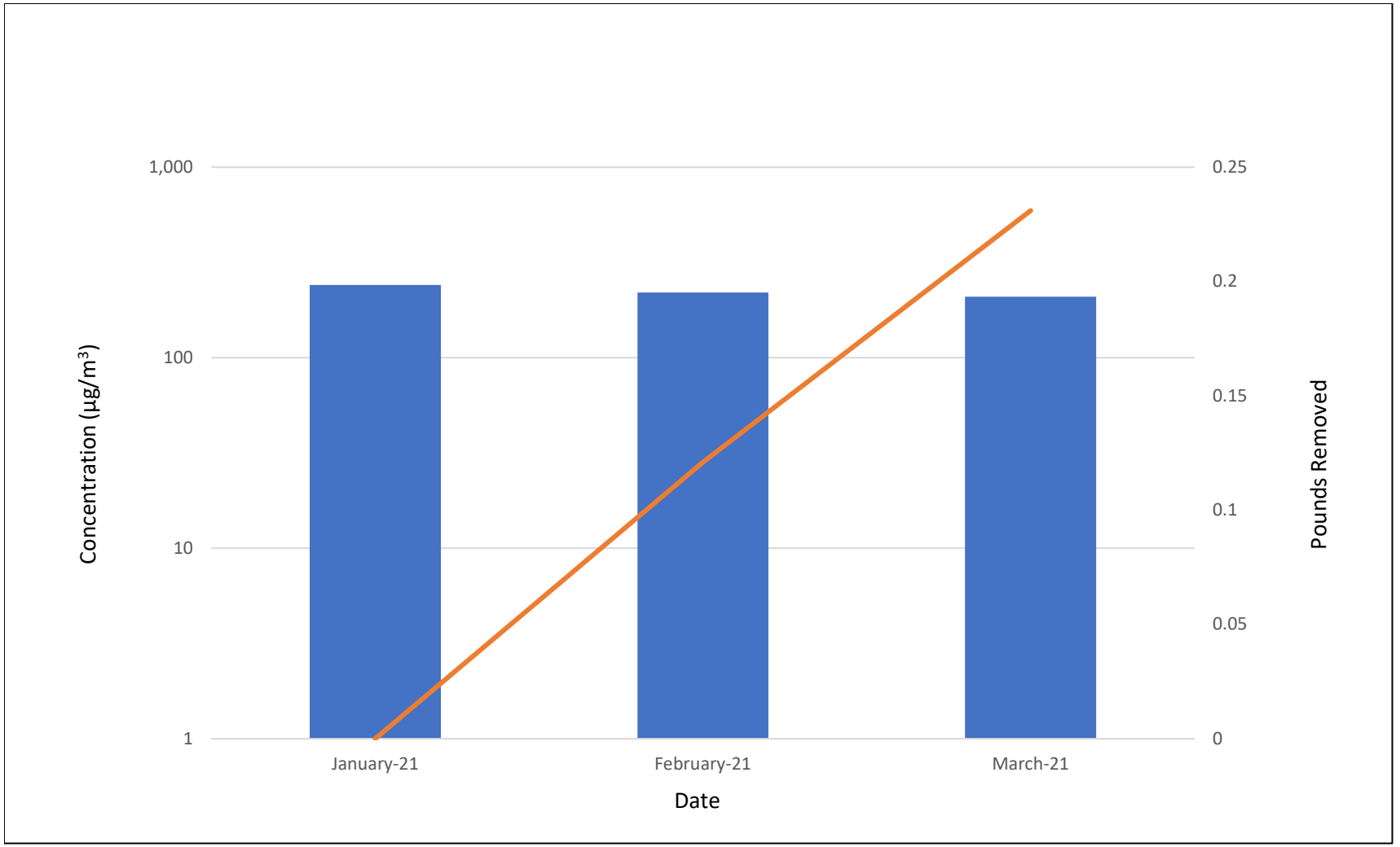
M SHEET 3 OF 4

CAD REF. NO. 00266415-M03

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Appendix E

Appendix E
New York State Department of Environmental Conservation
SMP B - Jimmy's Dry Cleaners - Site No. 130080
Periodic Review Report
Roosevelt, New York
Summary of SVE System Total VOCs Recovery



Appendix F

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Jimmy's Dry Cleaners
PROJECT NUMBER	NYSDEC Site No. 130080
SAMPLE ID	CMT-1(3)
SAMPLE TIME	10:50

LOCATION ID	CMT-1(3)
DATE	8/13/2020
START TIME	09:30
END TIME	10:50
SITE NAME/NUMBER	Jimmy's Dry Cleaners
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [X] OTHER 3/8"

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	NA FT	**FINAL DTW (BMP)**	NA FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	100 FT	**SCREEN LENGTH**	0.5 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	NA FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	NA GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.25 GAL	**DRAWDOWN/ TOTAL PURGED**	NA	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0930	**BEGIN PURGING**									
0935	-	-	27.17	0.490	5.96	1.41	82.4	196		
1000	-	-	24.98	0.539	5.35	2.3	336	249		
1002	-	-	22.47	0.579	5.05	0.95	798	262		
1010	-	-	21.58	0.557	5.07	0.74	675	265		
1015	-	-	20.67	0.545	5.06	0.28	611	267		
1020	-	-	20.02	0.557	4.87	0.63	209	273		
1025	-	-	19.74	0.562	4.86	0.54	164	275		
1030	-	-	20.55	0.567	4.86	0.58	36.6	278		
1035	-	-	20.42	0.568	4.87	0.55	19.8	277		
1040	-	-	-	-	-	-	-	-		
1045	-	-	18.86	0.572	4.89	0.50	0.00	283		
1050	-	-	20.00	0.574	4.89	0.48	0.00	284		
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			20.00	**0.574**	**4.89**	**0.48**	**0.00**	**284**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [ ] WL METER
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Pine Geopump
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCL VOCs+10	USEPA Method 8260C	No	HCl	120 mL	1050	No	JDC-CMT-1-WG-20200813

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Sam Pereira Print Name: Sam Pereira

Checked By: Anthony Raposo Date: 8/13/2020

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Jimmy's Dry Cleaners
PROJECT NUMBER	NYSDEC Site No. 130080
SAMPLE ID	CMT-2(3)
SAMPLE TIME	11:50

LOCATION ID	CMT-2(3)
DATE	8/13/2020
START TIME	11:10
END TIME	11:50
SITE NAME/NUMBER	Jimmy's Dry Cleaners
PAGE	1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 8 ☒ OTHER 3/8"

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP) ☒ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	NA FT	**FINAL DTW (BMP)**	NA FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	100 FT	**SCREEN LENGTH**	0.5 FT	**PID AMBIENT AIR**	0.1 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	NA FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	NA GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	NA GAL	**DRAWDOWN/ TOTAL PURGED**	NA	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1110	**BEGIN PURGING**									
1115	-	-	22.60	0.350	6.03	4.14	16.8	161		
1120	-	-	22.05	0.403	5.96	4.03	9.2	171		
1125	-	-	21.75	0.412	5.94	3.81	10.1	183		
1130	-	-	21.74	0.414	5.95	3.35	8.4	186		
1135	-	-	21.59	0.414	5.96	3.46	4.9	188		
1140	-	-	21.18	0.416	5.98	3.31	3.5	189		
1145	-	-	21.49	0.415	5.98	3.08	3.8	190		
1150	-	-	21.57	0.415	6.01	2.92	2.7	189		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

21.57	**0.415**	**6.01**	**2.92**	**2.70**	**189**	

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☐ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☒ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☐ WL METER
- ☒ PID MiniRAE
- ☒ WQ METER Horiba
- ☐ TURB. METER
- ☒ PUMP Pine Geopump
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCL VOCs+10	USEPA Method 8260C	No	HCl	120 mL	1150	No	JDC-CMT-2-WG-20200813

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: NA

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature:  Print Name: Sam Pereira

Checked By: Anthony Raposo Date: 8/13/2020

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Jimmy's Dry Cleaners
PROJECT NUMBER	NYSDEC Site No. 130080
SAMPLE ID	CMT-3(3)
SAMPLE TIME	08:45

LOCATION ID	CMT-3(3)
DATE	8/14/2020
START TIME	08:05
END TIME	08:45
SITE NAME/NUMBER	Jimmy's Dry Cleaners
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [X] OTHER 3/8"

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	NA FT	**FINAL DTW (BMP)**	NA FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	100 FT	**SCREEN LENGTH**	0.5 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	NA FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	NA GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.25 GAL	**DRAWDOWN/ TOTAL PURGED**	NA	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0805	**BEGIN PURGING**									
0810	-	-	16.85	0.504	6.68	0.85	0.0	284		
0815	-	-	16.62	0.500	6.23	0.26	0.0	249		
0820	-	-	17.18	0.497	6.29	0.17	0.0	243		
0825	-	-	17.28	0.497	6.28	0.09	0.0	243		
0830	-	-	17.39	0.495	6.26	0.06	0.0	243		
0835	-	-	18.42	0.493	6.27	0.02	0.0	241		
0840	-	-	18.08	0.493	6.26	0.00	0.0	243		
0845	-	-	17.67	0.493	6.26	0.00	0.0	241		
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**17.67**	**0.493**	**6.26**	**0.00**	**0.0**	**241**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
[X] PERISTALTIC	[ ] LIQUINOX	[X] SILICON TUBING	[ ] S. STEEL PUMP MATERIAL	[ ] WL METER	
[ ] SUBMERSIBLE	[ ] DEIONIZED WATER	[ ] TEFLON TUBING	[ ] PVC PUMP MATERIAL	[X] PID	MiniRAE
[ ] BLADDER	[ ] POTABLE WATER	[ ] TEFLON LINED TUBING	[ ] GEOPROBE SCREEN	[X] WQ METER	Horiba
	[ ] NITRIC ACID	[ ] HDPE TUBING	[ ] TEFLON BLADDER	[ ] TURB. METER	
[ ] WATTERA	[ ] HEXANE	[X] LDPE TUBING	[ ] OTHER	[X] PUMP	Pine Geopump
[ ] OTHER	[ ] METHANOL	[ ] OTHER	[ ] OTHER	[ ] OTHER	
[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] OTHER	[ ] FILTERS NO.	TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X]	TCL VOCs+10	USEPA Method 8260C	No	HCl	120 mL	1150	No	JDC-CMT-3-WG-20200814
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								
[ ]								

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED — YES [ ] NO [X]

NO-PURGE METHOD UTILIZED — YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Sam Pereira Print Name: Sam Pereira

Checked By: Anthony Raposo Date: 8/14/2020

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Jimmy's Dry Cleaners
PROJECT NUMBER	NYSDEC Site No. 130080
SAMPLE ID	CMT-4(3)
SAMPLE TIME	09:40

LOCATION ID	CMT-4(3)
DATE	8/14/2020
START TIME	09:05
END TIME	09:40
SITE NAME/NUMBER	Jimmy's Dry Cleaners
PAGE	1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 8 ☒ OTHER 3/8"

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP) ☒ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	NA FT	**FINAL DTW (BMP)**	NA FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	100 FT	**SCREEN LENGTH**	0.5 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	NA FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	NA GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2 GAL	**DRAWDOWN/ TOTAL PURGED**	NA	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0905	**BEGIN PURGING**									
0910	-	-	22.92	0.210	6.63	3.65	290.0	175		
0915	-	-	22.85	0.152	6.45	1.27	308.0	176		
0920	-	-	22.80	0.150	6.42	0.86	147.0	173		
0925	-	-	22.88	0.149	6.41	0.23	103.0	171		
0930	-	-	22.94	0.151	6.39	0.79	56.7	172		
0935	-	-	22.92	0.150	6.41	0.64	39.6	171		
0940	-	-	22.94	0.151	6.42	0.58	34.2	171		
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			22.94	**0.151**	**6.42**	**0.58**	**34.2**	**171**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
☒ PERISTALTIC	☐ LIQUINOX	☒ SILICON TUBING	☐ S. STEEL PUMP MATERIAL	☐ WL METER	
☐ SUBMERSIBLE	☐ DEIONIZED WATER	☐ TEFLON TUBING	☐ PVC PUMP MATERIAL	☒ PID	MiniRAE
☐ BLADDER	☐ POTABLE WATER	☐ TEFLON LINED TUBING	☐ GEOPROBE SCREEN	☒ WQ METER	Horiba
	☐ NITRIC ACID	☐ HDPE TUBING	☐ TEFLON BLADDER	☐ TURB. METER	
☐ WATTERA	☐ HEXANE	☒ LDPE TUBING	☐ OTHER	☒ PUMP	Pine Geopump
☐ OTHER	☐ METHANOL	☐ OTHER	☐ OTHER	☐ OTHER	
☐ OTHER	☐ OTHER	☐ OTHER	☐ OTHER	☐ FILTERS	NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCL VOCs+10	USEPA Method 8260C	No	HCl	120 mL	1150	No	JDC-CMT-4-WG-20200814

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: 2

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Sam Pereira Print Name: Sam Pereira

Checked By: Anthony Raposo Date: 8/14/2020

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Jimmy's Dry Cleaners	**LOCATION ID** 2010-MW-8D	**DATE** 8/31/2021
PROJECT NUMBER	NYSDEC Site No. 130080	**START TIME** 11:50	**END TIME** 12:25
SAMPLE ID 2010-MW-8D	**SAMPLE TIME** 12:30	**SITE NAME/NUMBER** Jimmy's Dry Cleaners	**PAGE** 1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] 8 [ ] OTHER _____

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER _____

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	11.7 FT	**FINAL DTW (BMP)**	14.20 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	150 FT	**SCREEN LENGTH**	10 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	138.3 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.41 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	22.68 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.5 GAL	**DRAWDOWN/ TOTAL PURGED**	0.164	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1150	**BEGIN PURGING**									
1155	11.70	300	32.22	0.475	6.80	3.66	0.0	141	60	
1200	12.15	300	29.73	0.488	6.85	3.54	1.9	150	60	
1205	12.58	300	27.52	0.510	6.81	3.23	0.0	152	60	
1210	12.99	300	26.4	0.521	6.74	3.23	0.0	160	60	
1215	13.38	300	25.74	0.520	6.81	3.08	0.0	159	60	
1220	13.8	300	25.15	0.529	6.81	3.25	0.0	159	60	
1225	14.20	300	25.42	0.527	6.82	3.31	0.0	159	60	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			25.42	**0.527**	**6.82**	**3.31**	**0.0**	**159**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] _____
- [ ] WATTERA
- [ ] OTHER _____
- [ ] OTHER _____

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER _____

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER _____
- [ ] OTHER _____

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER _____
- [ ] OTHER _____
- [ ] OTHER _____

EQUIPMENT USED
- [X] WL METER Solinst Interface Probe
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER _____
- [X] PUMP Pine Geopump
- [ ] OTHER _____
- [ ] FILTERS NO. ___ TYPE _____

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCL VOCs+10	USEPA Method 8260C	No	HCl	120 mL	1230	No	JDC-2010-MW-8D-WG-20210831

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES [ ] NO [X]

NO-PURGE METHOD UTILIZED: YES [ ] NO [X]

NUMBER OF GALLONS GENERATED: 2.5

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Sam Pereira Print Name: Sam Pereira

Checked By: Anthony Raposo Date: 8/31/2021

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Jimmy's Dry Cleaners
PROJECT NUMBER	NYSDEC Site No. 130080
SAMPLE ID	CMT-1(3)
SAMPLE TIME	13:40

LOCATION ID	CMT-1(3)
DATE	8/31/2021
START TIME	12:50
END TIME	13:35
SITE NAME/NUMBER	Jimmy's Dry Cleaners
PAGE	1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 8 ☒ OTHER 3/8"

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP) ☒ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	8.85 FT	**FINAL DTW (BMP)**	18.31 FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	100 FT	**SCREEN LENGTH**	0.5 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	91.15 FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	0.05 GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	0.53 GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2 GAL	**DRAWDOWN/ TOTAL PURGED**	0.027	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1250	**BEGIN PURGING**									
1255	8.85	200	23.21	0.321	6.33	2.16	0.0	71	80	
1300	10.05	200	19.94	0.56	5.81	0.92	895	149	80	
1305	11.29	200	19.88	0.653	5.30	0.53	137	238	80	
1310	12.46	200	22.13	0.66	5.30	0.69	83.4	273	80	
1315	13.62	200	21.73	0.672	5.22	0.62	61.9	285	80	
1320	14.8	200	22.77	0.659	5.19	0.56	26.2	296	80	
1325	15.98	200	22.21	0.672	5.18	0.6	20.2	301	80	
1330	17.14	200	22.73	0.662	5.09	0.66	18.9	317	80	
1335	18.31	200	22.85	0.661	5.07	0.58	18.3	321	80	

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	22.85	**0.661**	**5.07**	**0.58**	**18.30**	**321**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☐ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☒ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☒ WL METER Heron
- ☒ PID MiniRAE
- ☒ WQ METER Horiba
- ☐ TURB. METER
- ☒ PUMP Pine Geopump
- ☐ OTHER
- ☐ FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCL VOCs+10	USEPA Method 8260C	No	HCl	120 mL	1340	No	JDC-CMT-1-WG-20210831

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES ☐ NO ☒

NO-PURGE METHOD UTILIZED: YES ☐ NO ☒

NUMBER OF GALLONS GENERATED: 2

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Sam Pereira Print Name: Sam Pereira

Checked By: Anthony Raposo Date: 8/31/2021

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Jimmy's Dry Cleaners
PROJECT NUMBER	NYSDEC Site No. 130080
SAMPLE ID	CMT-2(3)
SAMPLE TIME	10:10

LOCATION ID	CMT-2(3)
DATE	8/30/2021
START TIME	09:25
END TIME	10:05
SITE NAME/NUMBER	Jimmy's Dry Cleaners
PAGE	1 OF 1

WELL DIAMETER (INCHES) [ ] 1 [ ] 2 [ ] 4 [ ] 6 [ ] 8 [X] OTHER 3/8"

TUBING ID (INCHES) [ ] 1/8 [ ] 1/4 [X] 3/8 [ ] 1/2 [ ] 5/8 [ ] OTHER

MEASUREMENT POINT (MP) [X] TOP OF RISER (TOR) [ ] TOP OF CASING (TOC) [ ] OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	NA FT	**FINAL DTW (BMP)**	NA FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	100 FT	**SCREEN LENGTH**	0.5 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	NA FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	NA GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	NA GAL	**DRAWDOWN/ TOTAL PURGED**	NA	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0925	**BEGIN PURGING**									
0930	-	225	25.54	0.099	7.63	1.90	85	-18	80	
0935	-	225	24.16	0.386	6.22	0.51	218	-7	80	
0940	-	225	22.36	0.522	5.96	0.93	68.8	10	80	
0945	-	225	22.07	0.560	5.99	0.74	56.7	14	80	
0950	-	225	21.81	0.580	6.00	1.12	27.7	17	80	
0955	-	225	21.67	0.585	6.02	0.20	13.9	18	80	
1000	-	225	21.64	0.590	6.00	0.17	10.8	20	80	
1005	-	225	21.90	0.590	6.05	0.12	4.9	18	80	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])										
			21.90	**0.590**	**6.05**	**0.12**	**4.90**	**18**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [X] PERISTALTIC
- [ ] SUBMERSIBLE
- [ ] BLADDER
- [ ] WATTERA
- [ ] OTHER
- [ ] OTHER

DECON FLUIDS USED
- [ ] LIQUINOX
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] METHANOL
- [ ] OTHER

TUBING/PUMP/BLADDER MATERIALS
- [X] SILICON TUBING
- [ ] TEFLON TUBING
- [ ] TEFLON LINED TUBING
- [ ] HDPE TUBING
- [X] LDPE TUBING
- [ ] OTHER
- [ ] OTHER

- [ ] S. STEEL PUMP MATERIAL
- [ ] PVC PUMP MATERIAL
- [ ] GEOPROBE SCREEN
- [ ] TEFLON BLADDER
- [ ] OTHER
- [ ] OTHER
- [ ] OTHER

EQUIPMENT USED
- [ ] WL METER
- [X] PID MiniRAE
- [X] WQ METER Horiba
- [ ] TURB. METER
- [X] PUMP Pine Geopump
- [ ] OTHER
- [ ] FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCL VOCs+10	USEPA Method 8260C	No	HCl	120 mL	1010	No	JDC-CMT-2-WG-20210830

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	[ ]	[X]
NO-PURGE METHOD UTILIZED	[ ]	[X]

NUMBER OF GALLONS GENERATED: NA

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: 

Print Name: Sam Pereira

Checked By: Anthony Raposo

Date: 8/30/2021

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Jimmy's Dry Cleaners
PROJECT NUMBER	NYSDEC Site No. 130080
SAMPLE ID	CMT-3(3)
SAMPLE TIME	11:55

LOCATION ID	CMT-3(3)
DATE	8/30/2021
START TIME	11:00
END TIME	11:50
SITE NAME/NUMBER	Jimmy's Dry Cleaners
PAGE	1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 8 ☒ OTHER 3/8"

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP) ☒ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	NA FT	**FINAL DTW (BMP)**	NA FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	100 FT	**SCREEN LENGTH**	0.5 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	NA FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	NA GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2.25 GAL	**DRAWDOWN/ TOTAL PURGED**	NA	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1100	**BEGIN PURGING**									
1105	-	200	24.03	0.262	6.55	1.18	225.0	-31	80	
1110	-	200	21.2	0.463	6.67	2.53	41.0	-78	80	
1115	-	200	20.66	0.533	6.68	1.99	1.9	-86	80	
1120	-	200	20.27	0.561	6.71	0.91	35.7	-89	80	
1125	-	200	20.23	0.563	6.74	0.82	24.4	-91	80	
1130	-	200	20.03	0.56	6.7	0.91	29.6	-92	80	
1135		200	19.43	0.558	6.72	1.05	176.0	-92	80	
1140		200	20.19	0.558	6.73	0.63	23.9	-95	80	
1145	-	200	20.31	0.563	6.69	0.54	21.8	-93	80	
1150	-	200	20.55	0.563	6.77	0.57	22.3	-93	80	
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])			**20.55**	**0.563**	**6.77**	**0.57**	**22.3**	**-93**		

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☐ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☒ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☐ WL METER
- ☒ PID MiniRAE
- ☒ WQ METER Horiba
- ☐ TURB. METER
- ☒ PUMP Pine Geopump
- ☐ OTHER
- ☐ FILTERS NO. TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCL VOCs+10	USEPA Method 8260C	No	HCl	120 mL	1155	No	JDC-CMT-3-WG-20210830

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: 2.25

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Sam Pereira Print Name: Sam Pereira

Checked By: Anthony Raposo Date: 8/30/2021

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT NAME	NYSDEC Jimmy's Dry Cleaners
PROJECT NUMBER	NYSDEC Site No. 130080
SAMPLE ID	CMT-4(3)
SAMPLE TIME	10:50

LOCATION ID	CMT-4(3)
DATE	8/31/2021
START TIME	10:05
END TIME	10:45
SITE NAME/NUMBER	Jimmy's Dry Cleaners
PAGE	1 OF 1

WELL DIAMETER (INCHES) ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ 8 ☒ OTHER 3/8"

TUBING ID (INCHES) ☐ 1/8 ☐ 1/4 ☒ 3/8 ☐ 1/2 ☐ 5/8 ☐ OTHER

MEASUREMENT POINT (MP) ☒ TOP OF RISER (TOR) ☐ TOP OF CASING (TOC) ☐ OTHER

WELL INTEGRITY

	YES	NO	N/A
CAP	X		
CASING	X		
LOCKED		X	
COLLAR	X		

INITIAL DTW (BMP)	NA FT	**FINAL DTW (BMP)**	NA FT	**PROT. CASING STICKUP (AGS)**	0 FT	**TOC/TOR DIFFERENCE**	- FT
WELL DEPTH (BMP)	100 FT	**SCREEN LENGTH**	0.5 FT	**PID AMBIENT AIR**	0.0 PPM	**REFILL TIMER SETTING**	- SEC
WATER COLUMN	NA FT	**DRAWDOWN VOLUME** (final DTW - initial DTW X well diam. squared X 0.041)	NA GAL	**PID WELL MOUTH**	0.0 PPM	**DISCHARGE TIMER SETTING**	- SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	**TOTAL VOL. PURGED** (mL per minute X total minutes X 0.00026 gal/mL)	2 GAL	**DRAWDOWN/ TOTAL PURGED**	NA	**PRESSURE TO PUMP**	- PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O_2 (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1005	**BEGIN PURGING**									
1010	-	250	28.12	0.250	6.4	1.46	135	-27		
1015	-	250	28.63	0.252	6.26	1.28	147	-18		
1020	-	250	28.87	0.254	6.20	1.63	129	-14		
1025	-	250	-	-	-	-	-	-		
1030	-	250	29.4	0.267	6.26	1.85	96	-21		
1035	-	250	28.33	0.267	6.32	9.69	125	-13		
1040		250	28.71	0.268	6.49	9.67	132	-16		
1045	-	250	31.20	0.273	6.80	8.55	365	-13		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	31.20	**0.273**	**6.80**	**8.55**	**365**	**-13**

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- ☒ PERISTALTIC
- ☐ SUBMERSIBLE
- ☐ BLADDER
- ☐ WATTERA
- ☐ OTHER
- ☐ OTHER

DECON FLUIDS USED
- ☐ LIQUINOX
- ☐ DEIONIZED WATER
- ☐ POTABLE WATER
- ☐ NITRIC ACID
- ☐ HEXANE
- ☐ METHANOL
- ☐ OTHER

TUBING/PUMP/BLADDER MATERIALS
- ☒ SILICON TUBING
- ☐ TEFLON TUBING
- ☐ TEFLON LINED TUBING
- ☐ HDPE TUBING
- ☒ LDPE TUBING
- ☐ OTHER
- ☐ OTHER

- ☐ S. STEEL PUMP MATERIAL
- ☐ PVC PUMP MATERIAL
- ☐ GEOPROBE SCREEN
- ☐ TEFLON BLADDER
- ☐ OTHER
- ☐ OTHER
- ☐ OTHER

EQUIPMENT USED
- ☐ WL METER
- ☒ PID MiniRAE
- ☒ WQ METER Horiba
- ☐ TURB. METER
- ☒ PUMP Pine Geopump
- ☐ OTHER
- ☐ FILTERS NO. ___ TYPE

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCL VOCs+10	USEPA Method 8260C	No	HCl	120 mL	1050	No	JDC-CMT-4-WG-20210831

PURGE OBSERVATIONS

	YES	NO
PURGE WATER CONTAINERIZED	☐	☒
NO-PURGE METHOD UTILIZED	☐	☒

NUMBER OF GALLONS GENERATED: 2

If yes, purged approximately 1 standing volume prior to sampling or _____mL for this sample location.

SKETCH/NOTES

Sampler Signature: Sam Pereira Print Name: Sam Pereira

Checked By: Anthony Raposo Date: 8/31/2021

Appendix G

Data Usability Summary Report

Site: Jimmy's Dry Cleaners,
Laboratory: Eurofins TestAmerica, Edison, NJ
SDG Number: 460-216102-1
Parameters: Volatile Organic Compounds (VOCs)
Reviewer: Amy Bass/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: September 10, 2020

Samples Reviewed and Evaluation Summary

17 / Groundwater: JDC-CMT_3-WG-20200814, JDC-CMT_4-WG-20200814, JDC-MW-EI-WG-20200813, JDC-2010-MW-1I-WG-20200813, JDC-2010-MW-2I-WG-20200813, JDC-ITMW-4D-WG-20200813, JDC-ITMW-4S-WG-20200813, JDC-2010-MW-3D-WG-20200813, JDC-2010-MW-3I-WG-20200813, JDC-2010-MW-9D-WG-20200813, JDC-2010-MW-4I-WG-20200813, JDC-2010-MW-10D-WG-20200813, JDC-2010-MW-5I-WG-20200813, JDC-ITMW-2D-WG-20200813, JDC-ITMW-3D-WG-20200813, JDC-CMT-1-WG-20200813, JDC-CMT-2-WG-20200813

2 / Trip Blanks: JDC-TB-20200813, JDC-TB-20200814

The above-listed samples were collected on August 13 and 14, 2020, and were analyzed for the following parameter:

- VOCs by SW-846 Method 8260C

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-017-002),* January 2017, modified for the SW-846 methodology utilized.

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
*	• Data Completeness
*	• Holding Times and Sample Preservation
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	• Initial and Continuing Calibrations
	• Blanks
	• Surrogate Recoveries
	• Matrix Spike (MS)/MS Duplicate (MSD) Results
*	• Internal Standards
	• Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
NA	• Field Duplicate Results
	• Sample Results and Reported Quantitation Limits (QLs)
*	• Target Compound Identification
*	• Tentatively Identified Compounds (TICs)

* - All criteria were met.
NA - A field duplicate pair was not associated with this data set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error are discussed below.

- The positive result for acetone in sample JDC-CMT-1-WG-20200813 was qualified as nondetect (U) at the QL due to trip blank contamination. This result can be used for project objectives as a nondetect, which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC results that were between the method detection limit and QL. These results were qualified as estimated (J) by the laboratory. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive results for 2-butanone in select samples were qualified as estimated (J) due to calibration nonconformances and detection below the QL. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for select VOCs in all samples were qualified as estimated (UJ) due to calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- Positive results for VOCs in select samples were qualified as estimated (J) or estimated (J+) with a potential high bias due to high surrogate recoveries. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive result for 2-butanone in sample JDC-ITMW-3D-WG-20200813 was qualified as estimated (J) due to high MS/MSD recoveries, a calibration nonconformance, and detection below the QL. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

- The nondetect result for methyl acetate in sample JDC-ITMW-3D-WG-20200813 was qualified as estimated (UJ) due to low MS/MSD and LCS recoveries. This result can be used for project objectives as a nondetect with an estimated QL, which may have a minor impact on the data usability.

- The nondetect results for methyl acetate in select samples were qualified as estimated (UJ) due to low LCS recovery. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package. It was noted that the laboratory entered a sample collection time of 13:50 for trip blank JDC-TB-20200813, although no sampling time

was indicated on the chain-of-custody form. This discrepancy is noted, but no data validation action was taken on this basis.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

The percent relative standard deviations and relative response factors (RRFs) were within the acceptance criteria in the initial calibrations associated with the samples in this data set.

The following table summarizes the percent differences or percent drifts (%Ds) that did not meet the acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set. The RRFs for the CC standards met the acceptance criteria.

CC	Compound	%D	Validation Actions
CCVIS 460-719627/3 08/26/2020 @07:12	Bromomethane	28.9	The positive and nondetect results for these VOCs were qualified as estimated (UJ) were qualified as estimated (UJ)in the associated samples.
	1,1,2-Trichloro-1,2,2-trifluoroethane	36.2	
	Methyl acetate	-31.0	
	2-Butanone	39.7	
	trans-1,3-Dichloropropene	-20.4	
	1,2-Dibromo-3-chloropropane	-40.1	
Associated samples: JDC-MW-EI-WG-20200813, JDC-2010-MW-1I-WG-20200813, JDC-2010-MW-2I-WG-20200813, JDC-ITMW-4D-WG-20200813, JDC-ITMW-4S-WG-20200813, JDC-2010-MW-3D-WG-20200813, JDC-2010-MW-3I-WG-20200813, JDC-2010-MW-9D-WG-20200813, JDC-2010-MW-10D-WG-20200813, JDC-2010-MW-5I-WG-20200813, JDC-ITMW-2D-WG-20200813, JDC-ITMW-3D-WG-20200813, JDC-CMT-1-WG-20200813, JDC-CMT-2-WG-20200813, JDC-TB-20200813			
CCVIS 460-719916/2 08/27/2020 @07:25	Bromomethane	40.8	The nondetect result for bromomethane was qualified as estimated (UJ) in the associated sample.
Associated sample: JDC-2010-MW-4I-WG-20200813			
CCVIS 460-718817/3 08/21/2020 @21:30	Bromomethane	41.4	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated sample.
	Methylcyclohexane	25.1	
	Chlorodibromomethane	-28.5	
	Bromoform	-40.4	
	1,2-Dibromo-3-chloropropane	-26.2	
Associated sample: JDC-CMT_3-WG-20200814			
CCVIS 460-718877/3 08/22/2020 @08:14	Bromomethane	36.0	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated samples.
	Carbon tetrachloride	-21.5	
	Chlorodibromomethane	-34.6	
	Bromoform	-46.8	
	1,2-Dibromo-3-chloropropane	-27.4	

CC	Compound	%D	Validation Actions
Associated samples: JDC-CMT_4-WG-20200814, JDC-TB-20200814			

Blanks

There were no target compounds detected in the method blanks associated with this data set; however, acetone was detected in both of the trip blanks. The following table summarizes the acetone concentrations in the trip blanks, the associated samples for each, and the resulting validation actions

Blank ID	Analyte	Blank Concentration (µg/L)	Validation Actions
JDC-TB-20200813	Acetone	4.9 J	The positive result for acetone was qualified as nondetect (U) in sample JDC-CMT-1-WG-20200813 at the QL since this result was <QL. Qualification was not required for acetone in the remaining associated samples since the results were nondetect or were detected at >2× the blank concentration.
Associated samples: JDC-MW-EI-WG-20200813, JDC-2010-MW-1I-WG-20200813, JDC-2010-MW-2I-WG-20200813, JDC-ITMW-4D-WG-20200813, JDC-ITMW-4S-WG-20200813, JDC-2010-MW-3D-WG-20200813, JDC-2010-MW-3I-WG-20200813, JDC-2010-MW-9D-WG-20200813, JDC-2010-MW-4I-WG-20200813, JDC-2010-MW-10D-WG-20200813, JDC-2010-MW-5I-WG-20200813, JDC-ITMW-2D-WG-20200813, JDC-ITMW-3D-WG-20200813, JDC-CMT-1-WG-20200813, JDC-CMT-2-WG-20200813			
JDC-TB-20200814	Acetone	5.0	Qualification was not required since acetone was not detected in the associated samples.
Associated samples: JDC-CMT_3-WG-20200814, JDC-CMT_4-WG-20200814			

Surrogate Recoveries

The surrogate percent recoveries (%Rs) for the VOC analyses were within the laboratory acceptance limits, with the exception of 4-bromofluorobenzene (BFB), which was above the acceptance limits in multiple samples. The following table summarizes the BFB %Rs that were outside the acceptance limits and the resulting validation actions.

Sample	Surrogate Compound	%R	%R QC Limits	Validation Actions
JDC-2010-MW-1I-WG-20200813	BFB	123	76-120	Positive results <QL in these samples were already qualified as estimated (J); bias was not applied since these results were also qualified as estimated (J) based on concentrations below the QL. The positive results ≥QL were qualified as estimated (J+) with a potential high bias in these samples. Qualification was not required for the nondetect results.
JDC-2010-MW-2I-WG-20200813	BFB	121	76-120	
JDC-ITMW-4D-WG-20200813	BFB	127	76-120	
JDC-2010-MW-3D-WG-20200813	BFB	123	76-120	
JDC-2010-MW-9D-WG-20200813	BFB	124	76-120	
JDC-2010-MW-10D-WG-20200813	BFB	121	76-120	
JDC-2010-MW-5I-WG-20200813	BFB	121	76-120	
JDC-ITMW-3D-WG-20200813	BFB	124	76-120	
JDC-CMT-1-WG-20200813	BFB	122	76-120	
JDC-CMT-2-WG-20200813	BFB	125	76-120	
JDC-TB-20200813	BFB	126	76-120	

MS/MSD Results

MS/MSD analyses were performed on sample JDC-ITMW-3D-WG-20200813. The following table summarizes the MS/MSD %Rs that did not meet the laboratory acceptance criteria. All MS/MSD relative percent differences (RPDs) met the laboratory acceptance criteria (RPD ≤30%).

MS/MSD Parent Sample ID	Compound	MS %R	MSD %R	MS/MSD %R QC Limits	Validation Action
JDC-ITMW-3D-WG-20200813	2-Butanone	150	142	69-128	The positive result for 2-butanone was qualified as estimated (J) in sample JDC-ITMW-3D-WG-20200813; bias was not applied since this result was also qualified as estimated (J) due to detection below the QL and due to a calibration nonconformance.
	Methyl acetate	53	54	70-127	The nondetect result for methyl acetate in sample JDC-ITMW-3D-WG-20200813 was qualified as estimated (UJ).

Internal Standards

All acceptance criteria were met.

LCS/LCSD Results

The LCS and LCSD %Rs were within the acceptance criteria, with some exceptions. The following table summarizes the LCS/LCSD %Rs that did not meet the acceptance criteria, the associated samples, and the resulting validation actions. The LCS/LCSD RPDs met the acceptance criteria.

LCS / LCSD ID	Compound	LCS %R	LCSD %R	LCS %R QC Limits	Validation Actions
LCS 460-719627/4	Methyl acetate	61	NA	70-127	The nondetect results for methyl acetate were qualified as estimated (UJ) in the associated samples.
Associated samples: JDC-MW-EI-WG-20200813, JDC-2010-MW-1I-WG-20200813, JDC-2010-MW-2I-WG-20200813, JDC-ITMW-4D-WG-20200813, JDC-ITMW-4S-WG-20200813, JDC-2010-MW-3D-WG-20200813, JDC-2010-MW-3I-WG-20200813, JDC-2010-MW-9D-WG-20200813, JDC-2010-MW-10D-WG-20200813, JDC-2010-MW-5I-WG-20200813, JDC-ITMW-2D-WG-20200813, JDC-ITMW-3D-WG-20200813, JDC-CMT-1-WG-20200813, JDC-CMT-2-WG-20200813, JDC-TB-20200813					
LCS 460-719916/3 LCSD 460-719916/4	Bromomethane	-	151	10-150	Qualification was not required since bromomethane was not detected in the associated sample.
Associated sample: JDC-2010-MW-4I-WG-20200813					
-: Met criteria; NA: Not analyzed					

Field Duplicate Results

No field duplicate pair was submitted with this data set.

Sample Results and Reported QLs

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) by the laboratory.

Sample calculations were spot-checked; there were no errors noted. There were no dilutions performed on any samples in this data set.

Target Compound Identification

All criteria were met for the VOC analyses.

Tentatively Identified Compounds

All criteria were met. No TICs were reported in the samples or in the associated method blanks.

QUALIFIED FORM 1s

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT_3-WG-20200814 Lab Sample ID: 460-216102-1

Matrix: Water Lab File ID: J05010.D

Analysis Method: 8260C Date Collected: 08/14/2020 08:45

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2020 05:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 718817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	ND		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND	UJ	1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND	UJ	1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.2		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT_3-WG-20200814 Lab Sample ID: 460-216102-1

Matrix: Water Lab File ID: J05010.D

Analysis Method: 8260C Date Collected: 08/14/2020 08:45

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2020 05:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 718817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND	UJ	1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	12		1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.49
79-01-6	Trichloroethene	0.49	J	1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		75-123
460-00-4	4-Bromofluorobenzene	93		76-120
1868-53-7	Dibromofluoromethane (Surr)	104		77-124
2037-26-5	Toluene-d8 (Surr)	96		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT_3-WG-20200814 Lab Sample ID: 460-216102-1

Matrix: Water Lab File ID: J05010.D

Analysis Method: 8260C Date Collected: 08/14/2020 08:45

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2020 05:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 718817 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT_4-WG-20200814 Lab Sample ID: 460-216102-2

Matrix: Water Lab File ID: J05033.D

Analysis Method: 8260C Date Collected: 08/14/2020 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2020 15:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 718877 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	ND		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND	UJ	1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND	UJ	1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT_4-WG-20200814 Lab Sample ID: 460-216102-2

Matrix: Water Lab File ID: J05033.D

Analysis Method: 8260C Date Collected: 08/14/2020 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2020 15:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 718877 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	ND		1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		75-123
460-00-4	4-Bromofluorobenzene	92		76-120
1868-53-7	Dibromofluoromethane (Surr)	106		77-124
2037-26-5	Toluene-d8 (Surr)	95		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT_4-WG-20200814 Lab Sample ID: 460-216102-2

Matrix: Water Lab File ID: J05033.D

Analysis Method: 8260C Date Collected: 08/14/2020 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2020 15:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 718877 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-TB-20200814 Lab Sample ID: 460-216102-3

Matrix: Water Lab File ID: J05032.D

Analysis Method: 8260C Date Collected: 08/14/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2020 15:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 718877 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	5.0		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND	UJ	1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND	UJ	1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-TB-20200814 Lab Sample ID: 460-216102-3

Matrix: Water Lab File ID: J05032.D

Analysis Method: 8260C Date Collected: 08/14/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2020 15:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 718877 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	ND		1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		75-123
460-00-4	4-Bromofluorobenzene	104		76-120
1868-53-7	Dibromofluoromethane (Surr)	119		77-124
2037-26-5	Toluene-d8 (Surr)	107		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-TB-20200814 Lab Sample ID: 460-216102-3

Matrix: Water Lab File ID: J05032.D

Analysis Method: 8260C Date Collected: 08/14/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2020 15:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 718877 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-MW-EI-WG-20200813 Lab Sample ID: 460-216181-1

Matrix: Water Lab File ID: A93336.D

Analysis Method: 8260C Date Collected: 08/13/2020 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 11:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND	UJ	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	18		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-MW-EI-WG-20200813 Lab Sample ID: 460-216181-1

Matrix: Water Lab File ID: A93336.D

Analysis Method: 8260C Date Collected: 08/13/2020 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 11:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	1.8		1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
460-00-4	4-Bromofluorobenzene	120		76-120
1868-53-7	Dibromofluoromethane (Surr)	119		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-MW-EI-WG-20200813 Lab Sample ID: 460-216181-1

Matrix: Water Lab File ID: A93336.D

Analysis Method: 8260C Date Collected: 08/13/2020 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 11:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-1I-WG-20200813 Lab Sample ID: 460-216181-2

Matrix: Water Lab File ID: A93337.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 11:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	2.7	~~J~~ J	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	23	J+	5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-1I-WG-20200813 Lab Sample ID: 460-216181-2

Matrix: Water Lab File ID: A93337.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 11:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.34
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	3.9	J+	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		75-123
460-00-4	4-Bromofluorobenzene	123	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	120		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-1I-WG-20200813 Lab Sample ID: 460-216181-2

Matrix: Water Lab File ID: A93337.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 11:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-2I-WG-20200813 Lab Sample ID: 460-216181-3

Matrix: Water Lab File ID: A93338.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 12:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND	UJ	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	18	J+	5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	0.57	J J	1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	1.2	J+	1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.71	J J	1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	1.0	J+	1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-2I-WG-20200813 Lab Sample ID: 460-216181-3

Matrix: Water Lab File ID: A93338.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 12:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.34
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	0.50	~~J~~ J	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
460-00-4	4-Bromofluorobenzene	121	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	119		77-124
2037-26-5	Toluene-d8 (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-2I-WG-20200813 Lab Sample ID: 460-216181-3

Matrix: Water Lab File ID: A93338.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 12:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-4D-WG-20200813 Lab Sample ID: 460-216181-4

Matrix: Water Lab File ID: A93339.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 12:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	2.4	~~J~~ J	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	21	J+	5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-4D-WG-20200813 Lab Sample ID: 460-216181-4

Matrix: Water Lab File ID: A93339.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 12:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	0.46	~~J~~ J	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-123
460-00-4	4-Bromofluorobenzene	127	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	120		77-124
2037-26-5	Toluene-d8 (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-4D-WG-20200813 Lab Sample ID: 460-216181-4

Matrix: Water Lab File ID: A93339.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 12:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-4S-WG-20200813 Lab Sample ID: 460-216181-5

Matrix: Water Lab File ID: A93340.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 13:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	2.9	J	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	18		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-4S-WG-20200813 Lab Sample ID: 460-216181-5

Matrix: Water Lab File ID: A93340.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 13:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	~~*~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	0.96	J	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		75-123
460-00-4	4-Bromofluorobenzene	120		76-120
1868-53-7	Dibromofluoromethane (Surr)	117		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-4S-WG-20200813 Lab Sample ID: 460-216181-5

Matrix: Water Lab File ID: A93340.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 13:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-3D-WG-20200813 Lab Sample ID: 460-216181-6

Matrix: Water Lab File ID: A93341.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 13:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	3.7	~~J~~ J	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	22	J+	5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-3D-WG-20200813 Lab Sample ID: 460-216181-6

Matrix: Water Lab File ID: A93341.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 13:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.34
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	0.46	~~U~~ J	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-123
460-00-4	4-Bromofluorobenzene	123	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	119		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-3D-WG-20200813 Lab Sample ID: 460-216181-6

Matrix: Water Lab File ID: A93341.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 13:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-3I-WG-20200813 Lab Sample ID: 460-216181-7

Matrix: Water Lab File ID: A93342.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:45

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 13:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	2.1	~~J~~ J	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	13		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.26	J	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-3I-WG-20200813 Lab Sample ID: 460-216181-7

Matrix: Water Lab File ID: A93342.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:45

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 13:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.34
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	7.4		1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-123
460-00-4	4-Bromofluorobenzene	119		76-120
1868-53-7	Dibromofluoromethane (Surr)	119		77-124
2037-26-5	Toluene-d8 (Surr)	96		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-3I-WG-20200813 Lab Sample ID: 460-216181-7

Matrix: Water Lab File ID: A93342.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:45

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 13:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-9D-WG-20200813 Lab Sample ID: 460-216181-8

Matrix: Water Lab File ID: A93343.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 14:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	2.8	J J	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	16	J+	5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	2.0	J+	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-9D-WG-20200813 Lab Sample ID: 460-216181-8

Matrix: Water Lab File ID: A93343.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 14:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.34
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	250	J+	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	1.9	J+	1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
460-00-4	4-Bromofluorobenzene	124	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	119		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-9D-WG-20200813 Lab Sample ID: 460-216181-8

Matrix: Water Lab File ID: A93343.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 14:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-4I-WG-20200813 Lab Sample ID: 460-216181-9

Matrix: Water Lab File ID: T38309.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:30

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2020 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719916 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	2.3	J	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	17		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-4I-WG-20200813 Lab Sample ID: 460-216181-9

Matrix: Water Lab File ID: T38309.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:30

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2020 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719916 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.34
79-20-9	Methyl acetate	ND		5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	ND		1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-123
460-00-4	4-Bromofluorobenzene	106		76-120
1868-53-7	Dibromofluoromethane (Surr)	108		77-124
2037-26-5	Toluene-d8 (Surr)	106		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-4I-WG-20200813 Lab Sample ID: 460-216181-9

Matrix: Water Lab File ID: T38309.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:30

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2020 10:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719916 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-10D-WG-20200813 Lab Sample ID: 460-216181-10

Matrix: Water Lab File ID: A93345.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 15:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	0.64	~~J~~ J	1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND	UJ	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	16	J+	5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	4.0	J+	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-10D-WG-20200813 Lab Sample ID: 460-216181-10

Matrix: Water Lab File ID: A93345.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 15:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.34
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	2.4	J+	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
460-00-4	4-Bromofluorobenzene	121	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	119		77-124
2037-26-5	Toluene-d8 (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-10D-WG-20200813 Lab Sample ID: 460-216181-10

Matrix: Water Lab File ID: A93345.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 15:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-5I-WG-20200813 Lab Sample ID: 460-216181-11

Matrix: Water Lab File ID: A93346.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 15:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND	UJ	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	11	J+	5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-5I-WG-20200813 Lab Sample ID: 460-216181-11

Matrix: Water Lab File ID: A93346.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 15:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.34
79-20-9	Methyl acetate	ND	~~*~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	ND		1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-123
460-00-4	4-Bromofluorobenzene	121	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	120		77-124
2037-26-5	Toluene-d8 (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-2010-MW-5I-WG-20200813 Lab Sample ID: 460-216181-11

Matrix: Water Lab File ID: A93346.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 15:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-2D-WG-20200813 Lab Sample ID: 460-216181-12

Matrix: Water Lab File ID: A93347.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	3.0	J J	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	17		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-2D-WG-20200813 Lab Sample ID: 460-216181-12

Matrix: Water Lab File ID: A93347.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.84	J	1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	ND		1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		75-123
460-00-4	4-Bromofluorobenzene	120		76-120
1868-53-7	Dibromofluoromethane (Surr)	115		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-2D-WG-20200813 Lab Sample ID: 460-216181-12

Matrix: Water Lab File ID: A93347.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 15:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-3D-WG-20200813 Lab Sample ID: 460-216181-13

Matrix: Water Lab File ID: A93335.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 11:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	2.2	~~J F1~~ J	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	18	J+	5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-3D-WG-20200813 Lab Sample ID: 460-216181-13

Matrix: Water Lab File ID: A93335.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 11:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	~~F1 *~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	0.60	~~J~~ J	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		75-123
460-00-4	4-Bromofluorobenzene	124	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	118		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-ITMW-3D-WG-20200813 Lab Sample ID: 460-216181-13

Matrix: Water Lab File ID: A93335.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 11:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT-1-WG-20200813 Lab Sample ID: 460-216181-14

Matrix: Water Lab File ID: A93348.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 16:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND	UJ	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	ND ~~4.9~~ ~~J~~ U		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.37	~~J~~ J	1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.3	J+	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT-1-WG-20200813 Lab Sample ID: 460-216181-14

Matrix: Water Lab File ID: A93348.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 16:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	~~J~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	19	J+	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	0.42	~~J~~ J	1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-123
460-00-4	4-Bromofluorobenzene	122	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	117		77-124
2037-26-5	Toluene-d8 (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT-1-WG-20200813 Lab Sample ID: 460-216181-14

Matrix: Water Lab File ID: A93348.D

Analysis Method: 8260C Date Collected: 08/13/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 16:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT-2-WG-20200813 Lab Sample ID: 460-216181-15

Matrix: Water Lab File ID: A93349.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 16:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND	UJ	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	ND		5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT-2-WG-20200813 Lab Sample ID: 460-216181-15

Matrix: Water Lab File ID: A93349.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 16:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	~~*~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	0.26	~~J~~ J	1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		75-123
460-00-4	4-Bromofluorobenzene	125	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	118		77-124
2037-26-5	Toluene-d8 (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-CMT-2-WG-20200813 Lab Sample ID: 460-216181-15

Matrix: Water Lab File ID: A93349.D

Analysis Method: 8260C Date Collected: 08/13/2020 11:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 16:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-TB-20200813 Lab Sample ID: 460-216181-16

Matrix: Water Lab File ID: A93334.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 10:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.43
75-34-3	1,1-Dichloroethane	ND		1.0	0.26
75-35-4	1,1-Dichloroethene	ND		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.38
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.43
107-06-2	1,2-Dichloroethane	ND		1.0	0.43
78-87-5	1,2-Dichloropropane	ND		1.0	0.35
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.34
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND	UJ	5.0	1.9
591-78-6	2-Hexanone	ND		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.3
67-64-1	Acetone	4.9	J J	5.0	4.4
71-43-2	Benzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.54
74-83-9	Bromomethane	ND	UJ	1.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.82
56-23-5	Carbon tetrachloride	ND		1.0	0.21
108-90-7	Chlorobenzene	ND		1.0	0.38
124-48-1	Chlorodibromomethane	ND		1.0	0.28
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.33
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.22
110-82-7	Cyclohexane	ND		1.0	0.32
75-27-4	Dichlorobromomethane	ND		1.0	0.34
75-71-8	Dichlorodifluoromethane	ND		1.0	0.31
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	Ethylene Dibromide	ND		1.0	0.50
98-82-8	Isopropylbenzene	ND		1.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-TB-20200813 Lab Sample ID: 460-216181-16

Matrix: Water Lab File ID: A93334.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 10:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	~~*~~ UJ	5.0	0.79
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.47
108-87-2	Methylcyclohexane	ND		1.0	0.26
75-09-2	Methylene Chloride	ND		1.0	0.32
100-42-5	Styrene	ND		1.0	0.42
127-18-4	Tetrachloroethene	ND		1.0	0.25
108-88-3	Toluene	ND		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	UJ	1.0	0.49
79-01-6	Trichloroethene	ND		1.0	0.31
75-69-4	Trichlorofluoromethane	ND		1.0	0.32
75-01-4	Vinyl chloride	ND		1.0	0.17
1330-20-7	Xylenes, Total	ND		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		75-123
460-00-4	4-Bromofluorobenzene	126	X	76-120
1868-53-7	Dibromofluoromethane (Surr)	117		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Client Sample ID: JDC-TB-20200813 Lab Sample ID: 460-216181-16

Matrix: Water Lab File ID: A93334.D

Analysis Method: 8260C Date Collected: 08/13/2020 13:50

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2020 10:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 719627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

QC NONCONFORMANCE DOCUMENTATION

FORM VII

GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-719627/3 Calibration Date: 08/26/2020 07:12

Instrument ID: CVOAMS1 Calib Start Date: 07/25/2020 17:00

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/25/2020 23:55

Lab File ID: A93325.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloropentafluoroethane	Ave	0.0315	0.0298		18.9	20.0	-5.5	20.0
Chlorotrifluoroethene	Ave	0.1150	0.0537		9.35	20.0	-53.3*	20.0
1,1-Difluoroethane	Ave	0.3658	0.3309		18.1	20.0	-9.5	20.0
Dichlorodifluoromethane	Ave	0.4617	0.5397	0.1000	23.4	20.0	16.9	20.0
Chlorodifluoromethane	Ave	0.4329	0.4343		20.1	20.0	0.3	20.0
Chloromethane	Ave	0.5272	0.4948	0.1000	18.8	20.0	-6.2	20.0
Vinyl chloride	Ave	0.4661	0.4721	0.1000	20.3	20.0	1.3	20.0
Butadiene	Ave	0.4914	0.4229		17.2	20.0	-13.9	20.0
Bromomethane	Ave	0.2583	0.3328	0.1000	25.8	20.0	28.9	50.0
Chloroethane	Ave	0.2473	0.2611	0.1000	21.1	20.0	5.6	50.0
Dichlorofluoromethane	Ave	0.5574	0.5615		20.1	20.0	0.7	20.0
Trichlorofluoromethane	Ave	0.4227	0.4665	0.1000	22.1	20.0	10.4	20.0
Pentane	Ave	1.834	1.993		43.5	40.0	8.7	20.0
Ethanol	Ave	0.0631	0.0700		887	800	10.9	50.0
Ethyl ether	Ave	0.2326	0.2013		17.3	20.0	-13.4	20.0
2-Methyl-1,3-butadiene	Ave	0.2640	0.2164		16.4	20.0	-18.0	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2301	0.2529		22.0	20.0	9.9	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.4007	0.4566		22.8	20.0	14.0	20.0
Acrolein	Ave	1.491	1.460		39.1	40.0	-2.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2655	0.3616	0.1000	27.2	20.0	36.2*	20.0
1,1-Dichloroethene	Ave	0.2503	0.2844	0.1000	22.7	20.0	13.6	20.0
Acetone	Ave	0.2077	0.2359	0.0500	114	100	13.6	50.0
Iodomethane	Ave	0.4290	0.5934		27.7	20.0	38.3*	20.0
Isopropyl alcohol	Ave	0.8209	0.7110		173	200	-13.4	50.0
Carbon disulfide	Ave	1.014	1.072	0.1000	21.1	20.0	5.7	50.0
Allyl chloride	Ave	0.1958	0.1879		19.2	20.0	-4.0	20.0
Methyl acetate	Ave	0.2430	0.1676	0.1000	27.6	40.0	-31.0*	20.0
Cyclopentene	Ave	0.7325	0.6728		18.4	20.0	-8.1	20.0
Acetonitrile	Ave	1.396	1.223		175	200	-12.4	20.0
Methylene Chloride	Ave	0.3275	0.3380	0.1000	20.6	20.0	3.2	20.0
2-Methyl-2-propanol	Ave	1.044	0.9524		182	200	-8.8	50.0
Methyl tert-butyl ether	Ave	0.7166	0.7228	0.1000	20.2	20.0	0.9	20.0
trans-1,2-Dichloroethene	Ave	0.2724	0.3029	0.1000	22.2	20.0	11.2	20.0
Acrylonitrile	Ave	0.1220	0.1124		184	200	-7.8	20.0
Hexane	Ave	0.2858	0.2678		18.7	20.0	-6.3	20.0
Isopropyl ether	Ave	1.019	0.8942		17.6	20.0	-12.2	20.0
1,1-Dichloroethane	Ave	0.5228	0.5193	0.2000	19.9	20.0	-0.7	20.0
Vinyl acetate	Ave	1.910	2.138		44.8	40.0	11.9	20.0
2-Chloro-1,3-butadiene	Ave	0.2437	0.2578		21.2	20.0	5.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-719627/3 Calibration Date: 08/26/2020 07:12

Instrument ID: CVOAMS1 Calib Start Date: 07/25/2020 17:00

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/25/2020 23:55

Lab File ID: A93325.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tert-butyl ethyl ether	Ave	0.8465	0.7566		17.9	20.0	-10.6	20.0
2,2-Dichloropropane	Ave	0.0797	0.0717		18.0	20.0	-10.0	20.0
cis-1,2-Dichloroethene	Ave	0.2973	0.3294	0.1000	22.2	20.0	10.8	20.0
Ethyl acetate	Ave	0.2294	0.2832		49.4	40.0	~~23.4~~*	20.0
2-Butanone (MEK)	Ave	0.2382	0.3328	0.0500	140	100	39.7	50.0
Methyl acrylate	Ave	0.2650	0.2289		17.3	20.0	-13.6	20.0
Propionitrile	Ave	1.661	1.892		228	200	13.9	20.0
Tetrahydrofuran	Ave	0.2879	0.3747		52.1	40.0	~~30.2~~*	20.0
Chlorobromomethane	Ave	0.1423	0.1651		23.2	20.0	16.0	20.0
Methacrylonitrile	Ave	0.1139	0.1187		208	200	4.2	20.0
Chloroform	Ave	0.4543	0.4672	0.2000	20.6	20.0	2.8	20.0
Cyclohexane	Ave	0.5871	0.5765	0.1000	19.6	20.0	-1.8	50.0
1,1,1-Trichloroethane	Ave	0.3653	0.3518	0.1000	19.3	20.0	-3.7	20.0
Carbon tetrachloride	Ave	0.2558	0.2426	0.1000	19.0	20.0	-5.2	20.0
1,1-Dichloropropene	Ave	0.3718	0.3698		19.9	20.0	-0.6	20.0
Isobutyl alcohol	Ave	0.3759	0.2836		377	500	~~-24.5~~	50.0
2,2,4-Trimethylpentane	Ave	0.9837	0.8997		18.3	20.0	-8.5	20.0
Benzene	Ave	1.556	1.511	0.5000	19.4	20.0	-2.9	20.0
Isopropyl acetate	Ave	0.8576	0.6459		15.1	20.0	~~-24.7~~*	20.0
Tert-amyl methyl ether	Ave	0.2352	0.2354		20.0	20.0	0.0	20.0
1,2-Dichloroethane	Ave	0.3566	0.3380	0.1000	19.0	20.0	-5.2	20.0
n-Heptane	Qua2		0.2797		21.5	20.0	7.6	20.0
n-Butanol	Qua2		0.1481		372	500	~~-25.6~~	50.0
Trichloroethene	Ave	0.2561	0.2801	0.2000	21.9	20.0	9.4	20.0
Ethyl acrylate	Ave	0.3666	0.2782		15.2	20.0	~~-24.1~~*	20.0
Methylcyclohexane	Ave	0.5169	0.5736	0.1000	22.2	20.0	11.0	50.0
1,2-Dichloropropane	Ave	0.2915	0.2927	0.1000	20.1	20.0	0.4	20.0
Methyl methacrylate	Ave	0.0676	0.0693		41.0	40.0	2.5	20.0
n-Propyl acetate	Ave	0.3804	0.3048		16.0	20.0	-19.9	20.0
1,4-Dioxane	Ave	1.071	1.166		435	400	8.8	50.0
Dibromomethane	Ave	0.1648	0.1768		21.5	20.0	7.3	20.0
Dichlorobromomethane	Ave	0.2925	0.2802	0.2000	19.2	20.0	-4.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1659	0.1623		19.6	20.0	-2.2	20.0
2-Nitropropane	Qua2		0.0264		38.7	40.0	-3.3	20.0
Epichlorohydrin	Ave	0.2031	0.2405		474	400	18.4	20.0
cis-1,3-Dichloropropene	Ave	0.5409	0.4562	0.2000	16.9	20.0	-15.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.102	2.496	0.0500	119	100	18.8	50.0
Toluene	Ave	1.508	1.540	0.4000	20.4	20.0	2.1	20.0
Ethyl methacrylate	Ave	0.3273	0.2762		16.9	20.0	-15.6	20.0
trans-1,3-Dichloropropene	Ave	0.4697	0.3739	0.1000	15.9	20.0	-20.4	50.0
1,1,2-Trichloroethane	Ave	0.2771	0.2613	0.1000	18.9	20.0	-5.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-719627/3 Calibration Date: 08/26/2020 07:12

Instrument ID: CVOAMS1 Calib Start Date: 07/25/2020 17:00

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/25/2020 23:55

Lab File ID: A93325.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloroethene	Ave	0.3598	0.4176	0.2000	23.2	20.0	16.1	20.0
1,3-Dichloropropane	Ave	0.5611	0.5487		19.6	20.0	-2.2	20.0
2-Hexanone	Ave	1.315	1.558	0.0500	119	100	18.5	50.0
n-Butyl acetate	Ave	0.0965	0.0747		15.5	20.0	~~-22.6~~*	20.0
Chlorodibromomethane	Ave	0.2563	0.2382	0.1000	18.6	20.0	-7.0	50.0
Ethylene Dibromide	Ave	0.3115	0.3020	0.1000	19.4	20.0	-3.0	20.0
Chlorobenzene	Ave	0.9196	1.012	0.5000	22.0	20.0	10.0	20.0
Ethylbenzene	Ave	0.5311	0.5423	0.1000	20.4	20.0	2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3094	0.2813		18.2	20.0	-9.1	20.0
m-Xylene & p-Xylene	Ave	0.6676	0.6662	0.1000	20.0	20.0	-0.2	20.0
n-Butyl acrylate	Ave	0.2598	0.1947		15.0	20.0	~~-25.1~~*	20.0
o-Xylene	Ave	0.6679	0.6857	0.3000	20.5	20.0	2.7	20.0
Styrene	Ave	1.047	1.120	0.3000	21.4	20.0	7.0	20.0
Amyl acetate (mixed isomers)	Ave	1.212	0.7854		13.0	20.0	~~-35.2~~*	20.0
Bromoform	Ave	0.1428	0.1539	0.1000	21.6	20.0	7.8	20.0
Isopropylbenzene	Ave	1.800	1.839	0.1000	20.4	20.0	2.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8017	0.6985	0.3000	17.4	20.0	-12.9	20.0
Bromobenzene	Ave	0.7323	0.8106		22.1	20.0	10.7	20.0
N-Propylbenzene	Ave	3.870	3.604		18.6	20.0	-6.9	20.0
1,2,3-Trichloropropane	Ave	0.2288	0.2100		18.4	20.0	-8.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2049	0.1452		14.2	20.0	~~-29.2~~*	20.0
4-Ethyltoluene	Ave	3.259	3.034		18.6	20.0	-6.9	20.0
2-Chlorotoluene	Ave	2.823	2.738		19.4	20.0	-3.0	20.0
1,3,5-Trimethylbenzene	Ave	2.815	2.728		19.4	20.0	-3.1	20.0
Butyl Methacrylate	Ave	0.8974	0.6683		14.9	20.0	~~-25.5~~*	20.0
4-Chlorotoluene	Ave	2.153	2.097		19.5	20.0	-2.6	20.0
tert-Butylbenzene	Ave	2.168	2.154		19.9	20.0	-0.6	20.0
1,2,4-Trimethylbenzene	Ave	2.866	2.740		19.1	20.0	-4.4	20.0
sec-Butylbenzene	Ave	3.606	3.452		19.1	20.0	-4.3	20.0
4-Isopropyltoluene	Ave	3.030	3.021		19.9	20.0	-0.3	20.0
1,3-Dichlorobenzene	Ave	1.437	1.580	0.6000	22.0	20.0	10.0	20.0
1,2,3-Trimethylbenzene	Ave	3.035	2.890		19.0	20.0	-4.8	20.0
1,4-Dichlorobenzene	Ave	1.484	1.630	0.5000	22.0	20.0	9.8	20.0
Benzyl chloride	Ave	0.8306	0.5774		13.9	20.0	~~-30.5~~	50.0
Indan	Ave	3.105	3.101		20.0	20.0	-0.1	20.0
p-Diethylbenzene	Ave	1.750	1.795		20.5	20.0	2.6	20.0
n-Butylbenzene	Ave	1.733	1.651		19.1	20.0	-4.7	20.0
1,2-Dichlorobenzene	Ave	1.508	1.639	0.4000	21.7	20.0	8.7	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.049	2.873		18.8	20.0	-5.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1075	0.0644	0.0500	12.0	20.0	-40.1	50.0
1,3,5-Trichlorobenzene	Ave	1.279	1.439		22.5	20.0	12.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-719916/2 Calibration Date: 08/27/2020 07:25

Instrument ID: CVOAMS15 Calib Start Date: 08/03/2020 00:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/03/2020 06:35

Lab File ID: T38301.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloropentafluoroethane	Ave	0.0335	0.0216		12.9	20.0	-35.5*	20.0
1,1-Difluoroethane	Ave	0.1374	0.1394		20.3	20.0	1.4	20.0
Chlorotrifluoroethene	Qua2		0.0650		17.5	20.0	-12.6	20.0
Dichlorodifluoromethane	Ave	0.3952	0.3236	0.1000	16.4	20.0	-18.1	20.0
Chlorodifluoromethane	Ave	0.0514	0.0516		20.1	20.0	0.5	20.0
Chloromethane	Ave	0.2974	0.2918	0.1000	19.6	20.0	-1.9	20.0
Vinyl chloride	Ave	0.3601	0.3643	0.1000	20.2	20.0	1.2	20.0
Butadiene	QuaF		0.3212		19.5	20.0	-2.4	20.0
Bromomethane	Ave	1.010	1.422	0.1000	28.2	20.0	40.8	50.0
Chloroethane	Ave	1.969	2.141	0.1000	21.8	20.0	8.8	50.0
Dichlorofluoromethane	Ave	0.5322	0.6070		22.8	20.0	14.1	20.0
Trichlorofluoromethane	Ave	0.4622	0.4644	0.1000	20.1	20.0	0.5	20.0
Pentane	Ave	0.0466	0.0487		41.8	40.0	4.5	20.0
Ethanol	QuaF		0.5628		1470	800	83.5*	50.0
Ethyl ether	Ave	0.2106	0.2243		21.3	20.0	6.5	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2433	0.2396		19.7	20.0	-1.5	20.0
2-Methyl-1,3-butadiene	Ave	0.2494	0.2446		19.6	20.0	-1.9	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.4206	0.4335		20.6	20.0	3.1	20.0
Acrolein	Ave	8.939	9.738		43.6	40.0	8.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2774	0.2642	0.1000	19.0	20.0	-4.8	20.0
1,1-Dichloroethene	Ave	0.2501	0.2564	0.1000	20.5	20.0	2.5	20.0
Acetone	Ave	0.6473	0.5921	0.0500	91.5	100	-8.5	50.0
Iodomethane	Ave	0.0904	0.1596		35.3	20.0	76.5*	20.0
Carbon disulfide	Ave	0.8827	0.9266	0.1000	21.0	20.0	5.0	50.0
Isopropyl alcohol	Ave	3.771	4.213		223	200	11.7	50.0
Acetonitrile	Ave	0.1481	0.1740		235	200	17.4	20.0
Allyl chloride	Ave	0.1627	0.1897		23.3	20.0	16.6	20.0
Methyl acetate	Ave	0.1740	0.1971	0.1000	45.3	40.0	13.2	20.0
Cyclopentene	Ave	0.6796	0.6639		19.5	20.0	-2.3	20.0
Methylene Chloride	Ave	0.2817	0.3054	0.1000	21.7	20.0	8.4	20.0
2-Methyl-2-propanol	Ave	6.445	6.655		207	200	3.3	50.0
Acrylonitrile	Ave	0.0997	0.0992		199	200	-0.5	20.0
trans-1,2-Dichloroethene	Ave	0.2922	0.2971	0.1000	20.3	20.0	1.7	20.0
Methyl tert-butyl ether	Ave	0.7290	0.7736	0.1000	21.2	20.0	6.1	20.0
Hexane	Ave	0.3412	0.3292		19.3	20.0	-3.5	20.0
1,1-Dichloroethane	Ave	0.5114	0.5582	0.2000	21.8	20.0	9.2	20.0
Vinyl acetate	Qua2		0.4784		44.0	40.0	10.0	20.0
2-Chloro-1,3-butadiene	Ave	0.2763	0.2613		18.9	20.0	-5.4	20.0
Isopropyl ether	Ave	0.8584	0.9936		23.1	20.0	15.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-718817/3 Calibration Date: 08/21/2020 21:30

Instrument ID: CVOAMS8 Calib Start Date: 08/15/2020 04:48

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/15/2020 07:17

Lab File ID: J04990.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2373	0.2696	0.1000	22.7	20.0	13.6	20.0
Chloromethane	Ave	0.3803	0.3718	0.1000	19.6	20.0	-2.2	20.0
Vinyl chloride	Ave	0.3299	0.3507	0.1000	21.3	20.0	6.3	20.0
Butadiene	Ave	0.3109	0.3369		21.7	20.0	8.4	20.0
Bromomethane	Ave	0.1183	0.1673	0.1000	28.3	20.0	41.4	50.0
Chloroethane	Ave	0.1811	0.1944	0.1000	21.5	20.0	7.3	50.0
Dichlorofluoromethane	Ave	0.4864	0.5345		22.0	20.0	9.9	20.0
Trichlorofluoromethane	Ave	0.3534	0.4225	0.1000	23.9	20.0	19.6	20.0
Pentane	Ave	0.5415	0.7956		58.8	40.0	~~46.9~~*	20.0
Ethanol	Ave	0.0530	0.0556		839	800	4.8	50.0
Ethyl ether	Ave	0.2473	0.2562		20.7	20.0	3.6	20.0
2-Methyl-1,3-butadiene	Ave	0.2661	0.2832		21.3	20.0	6.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1642	0.1899	0.1000	23.1	20.0	15.7	20.0
Acrolein	Ave	1.264	1.783		56.4	40.0	~~41.0~~	50.0
1,1-Dichloroethene	Ave	0.1899	0.2171	0.1000	22.9	20.0	14.4	20.0
Acetone	Ave	0.5916	0.6193	0.0500	105	100	4.7	50.0
Iodomethane	QuaF		0.2243		18.8	20.0	-5.9	20.0
Carbon disulfide	Ave	0.8158	0.8584	0.1000	21.0	20.0	5.2	50.0
Isopropyl alcohol	Ave	0.7814	0.7521		193	200	-3.7	50.0
Allyl chloride	Ave	0.1449	0.1613		22.3	20.0	11.3	20.0
Cyclopentene	Ave	0.5927	0.6697		22.6	20.0	13.0	20.0
Methyl acetate	Ave	0.2984	0.2651	0.1000	35.5	40.0	-11.1	20.0
Acetonitrile	Ave	1.492	1.446		194	200	-3.1	20.0
Methylene Chloride	Ave	0.2510	0.2855	0.1000	22.8	20.0	13.8	20.0
2-Methyl-2-propanol	Ave	1.123	1.089		194	200	-3.1	50.0
Methyl tert-butyl ether	Ave	0.8369	0.8432	0.1000	20.2	20.0	0.8	20.0
trans-1,2-Dichloroethene	Ave	0.2256	0.2535	0.1000	22.5	20.0	12.3	20.0
Acrylonitrile	Ave	3.502	4.349		248	200	~~24.2~~*	20.0
Hexane	Ave	0.1700	0.2105		24.8	20.0	~~23.9~~*	20.0
Isopropyl ether	Ave	1.184	1.174		19.8	20.0	-0.8	20.0
1,1-Dichloroethane	Ave	0.5498	0.6029	0.2000	21.9	20.0	9.7	20.0
Vinyl acetate	Ave	0.8455	0.8223		38.9	40.0	-2.8	20.0
2-Chloro-1,3-butadiene	Ave	0.2087	0.2310		22.1	20.0	10.7	20.0
Tert-butyl ethyl ether	Ave	0.999	1.006		20.2	20.0	0.8	20.0
2,2-Dichloropropane	Ave	0.1359	0.1477		21.7	20.0	8.6	20.0
cis-1,2-Dichloroethene	Ave	0.2616	0.2899	0.1000	22.2	20.0	10.8	20.0
2-Butanone (MEK)	Ave	0.1872	0.2154	0.0500	115	100	15.1	50.0
Ethyl acetate	Qua		0.2253		47.5	40.0	18.9	20.0
Methyl acrylate	Ave	0.3279	0.2893		17.6	20.0	-11.8	20.0
Propionitrile	Ave	1.408	1.673		238	200	18.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-718817/3 Calibration Date: 08/21/2020 21:30

Instrument ID: CVOAMS8 Calib Start Date: 08/15/2020 04:48

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/15/2020 07:17

Lab File ID: J04990.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobromomethane	Ave	0.1183	0.1269		21.5	20.0	7.3	20.0
Tetrahydrofuran	Ave	0.2260	0.2467		43.7	40.0	9.2	20.0
Methacrylonitrile	Ave	0.1286	0.1294		201	200	0.6	20.0
Chloroform	Ave	0.4769	0.5397	0.2000	22.6	20.0	13.2	20.0
Cyclohexane	Ave	0.2182	0.2265	0.1000	20.8	20.0	3.8	50.0
1,1,1-Trichloroethane	Ave	0.4103	0.4018	0.1000	19.6	20.0	-2.1	20.0
Carbon tetrachloride	Ave	0.3087	0.2729	0.1000	17.7	20.0	-11.6	20.0
1,1-Dichloropropene	Ave	0.3593	0.3874		21.6	20.0	7.8	20.0
Isobutyl alcohol	Ave	0.6151	0.6682		543	500	8.6	50.0
2,2,4-Trimethylpentane	Ave	0.4367	0.6185		28.3	20.0	~~41.6~~*	20.0
Benzene	Ave	1.588	1.712	0.5000	21.6	20.0	7.8	20.0
Isopropyl acetate	Ave	1.236	1.022		16.5	20.0	-17.3	20.0
Tert-amyl methyl ether	Ave	0.2421	0.2776		22.9	20.0	14.6	20.0
1,2-Dichloroethane	Ave	0.4684	0.4966	0.1000	21.2	20.0	6.0	20.0
n-Heptane	Ave	0.1037	0.1190		22.9	20.0	14.7	20.0
n-Butanol	Ave	0.3028	0.3041		502	500	0.4	50.0
Trichloroethene	Ave	0.2402	0.2697	0.2000	22.5	20.0	12.3	20.0
Methylcyclohexane	Ave	0.1723	0.2156	0.1000	25.0	20.0	25.1	50.0
Ethyl acrylate	Ave	0.6406	0.6260		19.5	20.0	-2.3	20.0
1,2-Dichloropropane	Ave	0.3047	0.3376	0.1000	22.2	20.0	10.8	20.0
Methyl methacrylate	Ave	0.0641	0.0629		39.2	40.0	-1.9	20.0
1,4-Dioxane	Ave	1.105	1.184		428	400	7.1	50.0
Dibromomethane	Ave	0.1832	0.1937		21.2	20.0	5.8	20.0
n-Propyl acetate	Ave	0.5619	0.5248		18.7	20.0	-6.6	20.0
Dichlorobromomethane	Ave	0.3539	0.3615	0.2000	20.4	20.0	2.1	20.0
2-Chloroethyl vinyl ether	Ave	0.2083	0.1920		18.5	20.0	-7.8	20.0
2-Nitropropane	Ave	3.280	1.407		17.2	40.0	~~-57.1~~*	20.0
Epichlorohydrin	Ave	0.1671	0.1813		434	400	8.5	20.0
cis-1,3-Dichloropropene	Ave	0.6612	0.6368	0.2000	19.3	20.0	-3.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.859	1.868	0.0500	100	100	0.5	50.0
Toluene	Ave	1.388	1.377	0.4000	19.9	20.0	-0.7	20.0
trans-1,3-Dichloropropene	Ave	0.6328	0.5841	0.1000	18.5	20.0	-7.7	50.0
Ethyl methacrylate	Ave	0.3707	0.3231		17.4	20.0	-12.8	20.0
1,1,2-Trichloroethane	Ave	0.3109	0.3102	0.1000	20.0	20.0	-0.2	20.0
Tetrachloroethene	Ave	0.2148	0.2159	0.2000	20.1	20.0	0.5	20.0
1,3-Dichloropropane	Ave	0.5911	0.6009		20.3	20.0	1.7	20.0
2-Hexanone	Ave	0.6217	0.6261	0.0500	101	100	0.7	50.0
n-Butyl acetate	Ave	0.8654	0.6401		14.8	20.0	~~-26.0~~*	20.0
Chlorodibromomethane	Ave	0.3629	0.2595	0.1000	14.3	20.0	-28.5	50.0
Ethylene Dibromide	Ave	0.3450	0.3429	0.1000	19.9	20.0	-0.6	20.0
Chlorobenzene	Ave	0.7697	0.7898	0.5000	20.5	20.0	2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-718817/3 Calibration Date: 08/21/2020 21:30

Instrument ID: CVOAMS8 Calib Start Date: 08/15/2020 04:48

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/15/2020 07:17

Lab File ID: J04990.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylbenzene	Ave	0.3602	0.3521	0.1000	19.5	20.0	-2.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3001	0.2565		17.1	20.0	-14.5	20.0
m-Xylene & p-Xylene	Ave	0.4216	0.4190	0.1000	19.9	20.0	-0.6	20.0
n-Butyl acrylate	Ave	0.3325	0.2720		16.4	20.0	-18.2	20.0
o-Xylene	Ave	0.4406	0.4314	0.3000	19.6	20.0	-2.1	20.0
Styrene	Ave	0.8069	0.8143	0.3000	20.2	20.0	0.9	20.0
Amyl acetate (mixed isomers)	Ave	2.486	1.895		15.2	20.0	~~-23.8~~*	20.0
Bromoform	Ave	0.2339	0.1394	0.1000	11.9	20.0	-40.4*	20.0
Isopropylbenzene	Ave	0.8424	0.8537	0.1000	20.3	20.0	1.3	20.0
Bromobenzene	Ave	0.7765	0.8007		20.6	20.0	3.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.212	1.191	0.3000	19.7	20.0	-1.7	20.0
N-Propylbenzene	Ave	2.673	2.823		21.1	20.0	5.6	20.0
1,2,3-Trichloropropane	Ave	0.3221	0.2878		17.9	20.0	-10.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4526	0.3748		16.6	20.0	-17.2	20.0
2-Chlorotoluene	Ave	2.159	2.175		20.1	20.0	0.7	20.0
4-Ethyltoluene	Ave	2.148	2.233		20.8	20.0	3.9	20.0
1,3,5-Trimethylbenzene	Ave	1.792	1.855		20.7	20.0	3.5	20.0
4-Chlorotoluene	Ave	2.087	2.204		21.1	20.0	5.6	20.0
Butyl Methacrylate	Ave	1.148	1.007		17.5	20.0	-12.3	20.0
tert-Butylbenzene	Ave	1.309	1.390		21.2	20.0	6.1	20.0
1,2,4-Trimethylbenzene	Ave	1.913	1.998		20.9	20.0	4.4	20.0
sec-Butylbenzene	Ave	1.884	2.102		22.3	20.0	11.6	20.0
1,3-Dichlorobenzene	Ave	1.114	1.153	0.6000	20.7	20.0	3.5	20.0
4-Isopropyltoluene	Ave	1.644	1.735		21.1	20.0	5.5	20.0
1,4-Dichlorobenzene	Ave	1.182	1.221	0.5000	20.7	20.0	3.3	20.0
1,2,3-Trimethylbenzene	Ave	2.069	2.198		21.2	20.0	6.2	20.0
Benzyl chloride	Ave	2.078	1.751		16.9	20.0	-15.7	50.0
Indan	Ave	2.164	2.226		20.6	20.0	2.9	20.0
p-Diethylbenzene	Ave	0.8161	0.9166		22.5	20.0	12.3	20.0
n-Butylbenzene	Ave	0.8641	1.012		23.4	20.0	17.1	20.0
1,2-Dichlorobenzene	Ave	1.175	1.284	0.4000	21.8	20.0	9.2	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.615	1.773		22.0	20.0	9.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2201	0.1625	0.0500	14.8	20.0	-26.2	50.0
1,3,5-Trichlorobenzene	Ave	0.5984	0.7215		24.1	20.0	~~20.6~~*	20.0
1,2,4-Trichlorobenzene	Ave	0.5876	0.6962	0.2000	23.7	20.0	18.5	20.0
Hexachlorobutadiene	Ave	0.2352	0.2978		25.3	20.0	~~26.6~~*	20.0
Naphthalene	Ave	2.211	2.140		19.4	20.0	-3.2	50.0
1,2,3-Trichlorobenzene	Ave	0.5677	0.6644		23.4	20.0	17.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2319	0.2529		54.5	50.0	9.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3674	0.3966		54.0	50.0	7.9	20.0
Toluene-d8 (Surr)	Ave	1.134	1.113		49.1	50.0	-1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-718877/3 Calibration Date: 08/22/2020 08:14

Instrument ID: CVOAMS8 Calib Start Date: 08/15/2020 04:48

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/15/2020 07:17

Lab File ID: J05015.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2373	0.2711	0.1000	22.8	20.0	14.2	20.0
Chloromethane	Ave	0.3803	0.3552	0.1000	18.7	20.0	-6.6	20.0
Vinyl chloride	Ave	0.3299	0.3200	0.1000	19.4	20.0	-3.0	20.0
Butadiene	Ave	0.3109	0.3017		19.4	20.0	-2.9	20.0
Bromomethane	Ave	0.1183	0.1609	0.1000	27.2	20.0	36.0	50.0
Chloroethane	Ave	0.1811	0.1875	0.1000	20.7	20.0	3.5	50.0
Dichlorofluoromethane	Ave	0.4864	0.5094		20.9	20.0	4.7	20.0
Trichlorofluoromethane	Ave	0.3534	0.4022	0.1000	22.8	20.0	13.8	20.0
Pentane	Ave	0.5415	0.7185		53.1	40.0	~~32.7~~*	20.0
Ethanol	Ave	0.0530	0.0561		846	800	5.7	50.0
Ethyl ether	Ave	0.2473	0.2475		20.0	20.0	0.1	20.0
2-Methyl-1,3-butadiene	Ave	0.2661	0.2800		21.0	20.0	5.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1642	0.1758	0.1000	21.4	20.0	7.1	20.0
Acrolein	Ave	1.264	1.390		44.0	40.0	10.0	50.0
1,1-Dichloroethene	Ave	0.1899	0.1962	0.1000	20.7	20.0	3.3	20.0
Acetone	Ave	0.5916	0.6014	0.0500	102	100	1.7	50.0
Iodomethane	QuaF		0.1345		11.3	20.0	~~-43.6~~*	20.0
Carbon disulfide	Ave	0.8158	0.7703	0.1000	18.9	20.0	-5.6	50.0
Isopropyl alcohol	Ave	0.7814	0.7296		187	200	-6.6	50.0
Allyl chloride	Ave	0.1449	0.1474		20.3	20.0	1.7	20.0
Cyclopentene	Ave	0.5927	0.6271		21.2	20.0	5.8	20.0
Methyl acetate	Ave	0.2984	0.2676	0.1000	35.9	40.0	-10.3	20.0
Acetonitrile	Ave	1.492	1.673		224	200	12.1	20.0
Methylene Chloride	Ave	0.2510	0.2635	0.1000	21.0	20.0	5.0	20.0
2-Methyl-2-propanol	Ave	1.123	1.024		182	200	-8.9	50.0
Methyl tert-butyl ether	Ave	0.8369	0.8105	0.1000	19.4	20.0	-3.1	20.0
trans-1,2-Dichloroethene	Ave	0.2256	0.2374	0.1000	21.0	20.0	5.2	20.0
Acrylonitrile	Ave	3.502	4.194		240	200	19.8	20.0
Hexane	Ave	0.1700	0.1912		22.5	20.0	12.5	20.0
Isopropyl ether	Ave	1.184	1.161		19.6	20.0	-2.0	20.0
1,1-Dichloroethane	Ave	0.5498	0.5768	0.2000	21.0	20.0	4.9	20.0
Vinyl acetate	Ave	0.8455	0.8286		39.2	40.0	-2.0	20.0
2-Chloro-1,3-butadiene	Ave	0.2087	0.2122		20.3	20.0	1.7	20.0
Tert-butyl ethyl ether	Ave	0.999	0.9667		19.4	20.0	-3.2	20.0
2,2-Dichloropropane	Ave	0.1359	0.1343		19.8	20.0	-1.2	20.0
cis-1,2-Dichloroethene	Ave	0.2616	0.2577	0.1000	19.7	20.0	-1.5	20.0
2-Butanone (MEK)	Ave	0.1872	0.1985	0.0500	106	100	6.1	50.0
Ethyl acetate	Qua		0.2219		46.8	40.0	17.0	20.0
Methyl acrylate	Ave	0.3279	0.2891		17.6	20.0	-11.8	20.0
Propionitrile	Ave	1.408	1.610		229	200	14.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-718877/3 Calibration Date: 08/22/2020 08:14

Instrument ID: CVOAMS8 Calib Start Date: 08/15/2020 04:48

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/15/2020 07:17

Lab File ID: J05015.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobromomethane	Ave	0.1183	0.1173		19.8	20.0	-0.9	20.0
Tetrahydrofuran	Ave	0.2260	0.2305		40.8	40.0	2.0	20.0
Methacrylonitrile	Ave	0.1286	0.1281		199	200	-0.4	20.0
Chloroform	Ave	0.4769	0.5202	0.2000	21.8	20.0	9.1	20.0
Cyclohexane	Ave	0.2182	0.2006	0.1000	18.4	20.0	-8.1	50.0
1,1,1-Trichloroethane	Ave	0.4103	0.3675	0.1000	17.9	20.0	-10.4	20.0
Carbon tetrachloride	Ave	0.3087	0.2424	0.1000	15.7	20.0	-21.5*	20.0
1,1-Dichloropropene	Ave	0.3593	0.3560		19.8	20.0	-0.9	20.0
Isobutyl alcohol	Ave	0.6151	0.6059		492	500	-1.5	50.0
2,2,4-Trimethylpentane	Ave	0.4367	0.4343		19.9	20.0	-0.5	20.0
Benzene	Ave	1.588	1.564	0.5000	19.7	20.0	-1.5	20.0
Isopropyl acetate	Ave	1.236	1.048		17.0	20.0	-15.2	20.0
Tert-amyl methyl ether	Ave	0.2421	0.2734		22.6	20.0	12.9	20.0
1,2-Dichloroethane	Ave	0.4684	0.4789	0.1000	20.4	20.0	2.2	20.0
n-Heptane	Ave	0.1037	0.0924		17.8	20.0	-10.9	20.0
n-Butanol	Ave	0.3028	0.2913		481	500	-3.8	50.0
Trichloroethene	Ave	0.2402	0.2468	0.2000	20.6	20.0	2.8	20.0
Methylcyclohexane	Ave	0.1723	0.1769	0.1000	20.5	20.0	2.6	50.0
Ethyl acrylate	Ave	0.6406	0.5376		16.8	20.0	-16.1	20.0
1,2-Dichloropropane	Ave	0.3047	0.2839	0.1000	18.6	20.0	-6.8	20.0
Methyl methacrylate	Ave	0.0641	0.0555		34.7	40.0	-13.4	20.0
1,4-Dioxane	Ave	1.105	1.158		419	400	4.8	50.0
Dibromomethane	Ave	0.1832	0.1725		18.8	20.0	-5.8	20.0
n-Propyl acetate	Ave	0.5619	0.4440		15.8	20.0	~~-21.0~~*	20.0
Dichlorobromomethane	Ave	0.3539	0.2871	0.2000	16.2	20.0	-18.9	20.0
2-Chloroethyl vinyl ether	Ave	0.2083	0.1855		17.9	20.0	-10.9	20.0
2-Nitropropane	Ave	3.280	1.280		15.6	40.0	~~-61.0~~*	20.0
Epichlorohydrin	Ave	0.1671	0.1751		419	400	4.8	20.0
cis-1,3-Dichloropropene	Ave	0.6612	0.5773	0.2000	17.5	20.0	-12.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.859	1.782	0.0500	95.8	100	-4.2	50.0
Toluene	Ave	1.388	1.263	0.4000	18.2	20.0	-9.0	20.0
trans-1,3-Dichloropropene	Ave	0.6328	0.5381	0.1000	17.0	20.0	-15.0	50.0
Ethyl methacrylate	Ave	0.3707	0.3029		16.3	20.0	-18.3	20.0
1,1,2-Trichloroethane	Ave	0.3109	0.2958	0.1000	19.0	20.0	-4.9	20.0
Tetrachloroethene	Ave	0.2148	0.2090	0.2000	19.5	20.0	-2.7	20.0
1,3-Dichloropropane	Ave	0.5911	0.5638		19.1	20.0	-4.6	20.0
2-Hexanone	Ave	0.6217	0.6036	0.0500	97.1	100	-2.9	50.0
n-Butyl acetate	Ave	0.8654	0.6130		14.2	20.0	~~-29.2~~*	20.0
Chlorodibromomethane	Ave	0.3629	0.2374	0.1000	13.1	20.0	-34.6	50.0
Ethylene Dibromide	Ave	0.3450	0.3264	0.1000	18.9	20.0	-5.4	20.0
Chlorobenzene	Ave	0.7697	0.7396	0.5000	19.2	20.0	-3.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Lab Sample ID: CCVIS 460-718877/3 Calibration Date: 08/22/2020 08:14

Instrument ID: CVOAMS8 Calib Start Date: 08/15/2020 04:48

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/15/2020 07:17

Lab File ID: J05015.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylbenzene	Ave	0.3602	0.3220	0.1000	17.9	20.0	-10.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3001	0.2224		14.8	20.0	-25.9*	20.0
m-Xylene & p-Xylene	Ave	0.4216	0.3794	0.1000	18.0	20.0	-10.0	20.0
n-Butyl acrylate	Ave	0.3325	0.2460		14.8	20.0	-26.0*	20.0
o-Xylene	Ave	0.4406	0.3964	0.3000	18.0	20.0	-10.0	20.0
Styrene	Ave	0.8069	0.7491	0.3000	18.6	20.0	-7.2	20.0
Amyl acetate (mixed isomers)	Ave	2.486	1.825		14.7	20.0	-26.6*	20.0
Bromoform	Ave	0.2339	0.1245	0.1000	10.6	20.0	-46.8*	20.0
Isopropylbenzene	Ave	0.8424	0.7901	0.1000	18.8	20.0	-6.2	20.0
Bromobenzene	Ave	0.7765	0.7673		19.8	20.0	-1.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.212	1.132	0.3000	18.7	20.0	-6.6	20.0
N-Propylbenzene	Ave	2.673	2.613		19.6	20.0	-2.2	20.0
1,2,3-Trichloropropane	Ave	0.3221	0.3024		18.8	20.0	-6.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4526	0.3731		16.5	20.0	-17.6	20.0
2-Chlorotoluene	Ave	2.159	2.005		18.6	20.0	-7.1	20.0
4-Ethyltoluene	Ave	2.148	2.040		19.0	20.0	-5.1	20.0
1,3,5-Trimethylbenzene	Ave	1.792	1.692		18.9	20.0	-5.6	20.0
4-Chlorotoluene	Ave	2.087	2.117		20.3	20.0	1.5	20.0
Butyl Methacrylate	Ave	1.148	0.9346		16.3	20.0	-18.6	20.0
tert-Butylbenzene	Ave	1.309	1.267		19.3	20.0	-3.3	20.0
1,2,4-Trimethylbenzene	Ave	1.913	1.829		19.1	20.0	-4.4	20.0
sec-Butylbenzene	Ave	1.884	1.863		19.8	20.0	-1.1	20.0
1,3-Dichlorobenzene	Ave	1.114	1.130	0.6000	20.3	20.0	1.4	20.0
4-Isopropyltoluene	Ave	1.644	1.505		18.3	20.0	-8.4	20.0
1,4-Dichlorobenzene	Ave	1.182	1.174	0.5000	19.9	20.0	-0.7	20.0
1,2,3-Trimethylbenzene	Ave	2.069	2.098		20.3	20.0	1.4	20.0
Benzyl chloride	Ave	2.078	1.690		16.3	20.0	-18.6	50.0
Indan	Ave	2.164	2.129		19.7	20.0	-1.6	20.0
p-Diethylbenzene	Ave	0.8161	0.8179		20.0	20.0	0.2	20.0
n-Butylbenzene	Ave	0.8641	0.8666		20.1	20.0	0.3	20.0
1,2-Dichlorobenzene	Ave	1.175	1.172	0.4000	19.9	20.0	-0.3	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.615	1.525		18.9	20.0	-5.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2201	0.1598	0.0500	14.5	20.0	-27.4	50.0
1,3,5-Trichlorobenzene	Ave	0.5984	0.6337		21.2	20.0	5.9	20.0
1,2,4-Trichlorobenzene	Ave	0.5876	0.5728	0.2000	19.5	20.0	-2.5	20.0
Hexachlorobutadiene	Ave	0.2352	0.2601		22.1	20.0	10.6	20.0
Naphthalene	Ave	2.211	1.999		18.1	20.0	-9.6	50.0
1,2,3-Trichlorobenzene	Ave	0.5677	0.5382		19.0	20.0	-5.2	20.0
Dibromofluoromethane (Surr)	Ave	0.2319	0.2385		51.4	50.0	2.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3674	0.3799		51.7	50.0	3.4	20.0
Toluene-d8 (Surr)	Ave	1.134	1.087		48.0	50.0	-4.1	20.0

FORM II

GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM	#	DCA	#	TOL	#	BFB	#
JDC-CMT_3-WG-20200814	460-216102-1	104		105		96		93	
JDC-CMT_4-WG-20200814	460-216102-2	106		106		95		92	
JDC-TB-20200814	460-216102-3	119		117		107		104	
JDC-MW-EI-WG-20200813	460-216181-1	119		95		97		120	
JDC-2010-MW-1I-WG-20200813	460-216181-2	120		91		97		123	X
JDC-2010-MW-2I-WG-20200813	460-216181-3	119		95		98		121	X
JDC-ITMW-4D-WG-20200813	460-216181-4	120		93		99		127	X
JDC-ITMW-4S-WG-20200813	460-216181-5	117		92		97		120	
JDC-2010-MW-3D-WG-20200813	460-216181-6	119		93		97		123	X
JDC-2010-MW-3I-WG-20200813	460-216181-7	119		94		96		119	
JDC-2010-MW-9D-WG-20200813	460-216181-8	119		90		97		124	X
JDC-2010-MW-4I-WG-20200813	460-216181-9	108		114		106		106	
JDC-2010-MW-10D-WG-20200813	460-216181-10	119		95		98		121	X
JDC-2010-MW-5I-WG-20200813	460-216181-11	120		98		99		121	X
JDC-ITMW-2D-WG-20200813	460-216181-12	115		92		97		120	
JDC-ITMW-3D-WG-20200813	460-216181-13	118		92		97		124	X
JDC-CMT-1-WG-20200813	460-216181-14	117		94		98		122	X
JDC-CMT-2-WG-20200813	460-216181-15	118		91		98		125	X
JDC-TB-20200813	460-216181-16	117		89		97		126	X
	MB 460-718817/9	105		104		96		94	
	MB 460-718877/9	123		122		110		109	
	MB 460-719627/10	119		93		97		123	X
	MB 460-719916/7	107		114		107		105	
	LCS 460-718817/4	103		102		97		96	
	LCS 460-718877/4	105		104		97		95	
	LCS 460-719627/4	113		95		104		121	X
	LCS 460-719916/3	108		110		106		107	

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-124
DCA = 1,2-Dichloroethane-d4 (Surr)	75-123
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	76-120

Column to be used to flag recovery values

FORM II 8260C

FORM III

GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A93350.D

Lab ID: 460-216181-13 MS Client ID: JDC-ITMW-3D-WG-20200813 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	ND	18.7	94	68-128	
1,1,2,2-Tetrachloroethane	20.0	ND	16.2	81	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	ND	25.8	129	59-142	
1,1,2-Trichloroethane	20.0	ND	18.4	92	74-125	
1,1-Dichloroethane	20.0	ND	17.9	90	73-130	
1,1-Dichloroethene	20.0	ND	22.8	114	68-133	
1,2,4-Trichlorobenzene	20.0	ND	17.6	88	64-132	
1,2-Dibromo-3-Chloropropane	20.0	ND	10.4	52	41-143	
1,2-Dichlorobenzene	20.0	ND	21.4	107	79-122	
1,2-Dichloroethane	20.0	ND	17.4	87	75-121	
1,2-Dichloropropane	20.0	ND	17.7	88	76-126	
1,3-Dichlorobenzene	20.0	ND	22.2	111	80-121	
1,4-Dichlorobenzene	20.0	ND	21.8	109	80-118	
2-Butanone (MEK)	100	2.2 J	153	150	69-128	F1
2-Hexanone	100	ND	118	118	74-127	
4-Methyl-2-pentanone (MIBK)	100	ND	120	120	78-125	
Acetone	100	18	126	107	61-134	
Benzene	20.0	ND	18.8	94	78-126	
Bromoform	20.0	ND	19.9	99	38-144	
Bromomethane	20.0	ND	24.2	121	10-150	
Carbon disulfide	20.0	ND	16.2	81	64-138	
Carbon tetrachloride	20.0	ND	19.2	96	56-131	
Chlorobenzene	20.0	ND	22.5	113	80-119	
Chlorodibromomethane	20.0	ND	17.6	88	58-130	
Chloroethane	20.0	ND	18.7	94	29-150	
Chloroform	20.0	ND	20.1	100	78-125	
Chloromethane	20.0	ND	15.4	77	38-150	
cis-1,2-Dichloroethene	20.0	ND	22.3	111	78-121	
cis-1,3-Dichloropropene	20.0	ND	14.8	74	74-125	
Cyclohexane	20.0	ND	17.5	87	67-133	
Dichlorobromomethane	20.0	ND	17.8	89	72-121	
Dichlorodifluoromethane	20.0	ND	21.1	105	31-150	
Ethylbenzene	20.0	ND	20.8	104	78-120	
Ethylene Dibromide	20.0	ND	19.1	96	69-126	
Isopropylbenzene	20.0	ND	20.6	103	79-125	
Methyl acetate	40.0	ND	21.1	53	70-127	F1
Methyl tert-butyl ether	20.0	ND	18.3	92	65-131	
Methylcyclohexane	20.0	ND	21.0	105	60-139	
Methylene Chloride	20.0	ND	20.2	101	74-127	
Styrene	20.0	ND	21.3	106	75-127	
Tetrachloroethene	20.0	0.60 J	25.6	125	70-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A93351.D

Lab ID: 460-216181-13 MSD Client ID: JDC-ITMW-3D-WG-20200813 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.9	100	6	30	68-128	
1,1,2,2-Tetrachloroethane	20.0	16.6	83	2	30	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	25.9	130	0	30	59-142	
1,1,2-Trichloroethane	20.0	18.8	94	2	30	74-125	
1,1-Dichloroethane	20.0	18.6	93	4	30	73-130	
1,1-Dichloroethene	20.0	22.9	114	0	30	68-133	
1,2,4-Trichlorobenzene	20.0	21.8	109	21	30	64-132	
1,2-Dibromo-3-Chloropropane	20.0	13.7	68	27	30	41-143	
1,2-Dichlorobenzene	20.0	21.6	108	1	30	79-122	
1,2-Dichloroethane	20.0	17.3	87	1	30	75-121	
1,2-Dichloropropane	20.0	18.6	93	5	30	76-126	
1,3-Dichlorobenzene	20.0	22.2	111	0	30	80-121	
1,4-Dichlorobenzene	20.0	21.9	109	0	30	80-118	
2-Butanone (MEK)	100	144	142	6	30	69-128	F1
2-Hexanone	100	119	119	1	30	74-127	
4-Methyl-2-pentanone (MIBK)	100	121	121	1	30	78-125	
Acetone	100	125	107	1	30	61-134	
Benzene	20.0	19.4	97	3	30	78-126	
Bromoform	20.0	20.1	101	1	30	38-144	
Bromomethane	20.0	24.4	122	1	30	10-150	
Carbon disulfide	20.0	16.3	81	0	30	64-138	
Carbon tetrachloride	20.0	20.2	101	5	30	56-131	
Chlorobenzene	20.0	22.7	113	1	30	80-119	
Chlorodibromomethane	20.0	17.9	90	2	30	58-130	
Chloroethane	20.0	19.3	96	3	30	29-150	
Chloroform	20.0	20.5	103	2	30	78-125	
Chloromethane	20.0	18.1	91	16	30	38-150	
cis-1,2-Dichloroethene	20.0	22.5	113	1	30	78-121	
cis-1,3-Dichloropropene	20.0	15.9	80	8	30	74-125	
Cyclohexane	20.0	18.1	91	4	30	67-133	
Dichlorobromomethane	20.0	18.6	93	4	30	72-121	
Dichlorodifluoromethane	20.0	25.1	125	17	30	31-150	
Ethylbenzene	20.0	20.5	103	1	30	78-120	
Ethylene Dibromide	20.0	19.5	97	2	30	69-126	
Isopropylbenzene	20.0	20.8	104	1	30	79-125	
Methyl acetate	40.0	21.4	54	1	30	70-127	F1
Methyl tert-butyl ether	20.0	18.6	93	1	30	65-131	
Methylcyclohexane	20.0	22.2	111	5	30	60-139	
Methylene Chloride	20.0	21.4	107	5	30	74-127	
Styrene	20.0	21.3	106	0	30	75-127	
Tetrachloroethene	20.0	25.1	122	2	30	70-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III

GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A93326.D

Lab ID: LCS 460-719627/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.4	92	68-128	
1,1,2,2-Tetrachloroethane	20.0	16.3	82	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	25.0	125	59-142	
1,1,2-Trichloroethane	20.0	18.5	92	74-125	
1,1-Dichloroethane	20.0	17.3	86	73-130	
1,1-Dichloroethene	20.0	21.1	105	68-133	
1,2,4-Trichlorobenzene	20.0	23.2	116	64-132	
1,2-Dibromo-3-Chloropropane	20.0	14.0	70	41-143	
1,2-Dichlorobenzene	20.0	21.1	106	79-122	
1,2-Dichloroethane	20.0	17.5	88	75-121	
1,2-Dichloropropane	20.0	18.6	93	76-126	
1,3-Dichlorobenzene	20.0	21.2	106	80-121	
1,4-Dichlorobenzene	20.0	21.0	105	80-118	
2-Butanone (MEK)	100	128	128	69-128	
2-Hexanone	100	113	113	74-127	
4-Methyl-2-pentanone (MIBK)	100	114	114	78-125	
Acetone	100	104	104	61-134	
Benzene	20.0	18.4	92	78-126	
Bromoform	20.0	21.5	107	38-144	
Bromomethane	20.0	23.6	118	10-150	
Carbon disulfide	20.0	19.7	99	64-138	
Carbon tetrachloride	20.0	19.9	99	56-131	
Chlorobenzene	20.0	21.3	106	80-119	
Chlorodibromomethane	20.0	19.1	96	58-130	
Chloroethane	20.0	18.6	93	29-150	
Chloroform	20.0	19.8	99	78-125	
Chloromethane	20.0	18.8	94	38-150	
cis-1,2-Dichloroethene	20.0	20.9	104	78-121	
cis-1,3-Dichloropropene	20.0	16.3	82	74-125	
Cyclohexane	20.0	17.9	89	67-133	
Dichlorobromomethane	20.0	18.1	90	72-121	
Dichlorodifluoromethane	20.0	22.8	114	31-150	
Ethylbenzene	20.0	20.2	101	78-120	
Ethylene Dibromide	20.0	18.7	94	69-126	
Isopropylbenzene	20.0	19.6	98	79-125	
Methyl acetate	40.0	24.4	61	70-127	*
Methyl tert-butyl ether	20.0	17.3	86	65-131	
Methylcyclohexane	20.0	21.0	105	60-139	
Methylene Chloride	20.0	20.0	100	74-127	
Styrene	20.0	21.0	105	75-127	
Tetrachloroethene	20.0	22.7	113	70-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III

GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-216102-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T38303.D

Lab ID: LCSD 460-719916/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.1	106	3	30	68-128	
1,1,2,2-Tetrachloroethane	20.0	21.1	105	4	30	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.7	104	3	30	59-142	
1,1,2-Trichloroethane	20.0	21.0	105	5	30	74-125	
1,1-Dichloroethane	20.0	21.2	106	6	30	73-130	
1,1-Dichloroethene	20.0	20.3	101	0	30	68-133	
1,2,4-Trichlorobenzene	20.0	19.0	95	3	30	64-132	
1,2-Dibromo-3-Chloropropane	20.0	19.1	95	2	30	41-143	
1,2-Dichlorobenzene	20.0	21.3	106	2	30	79-122	
1,2-Dichloroethane	20.0	20.2	101	1	30	75-121	
1,2-Dichloropropane	20.0	21.0	105	4	30	76-126	
1,3-Dichlorobenzene	20.0	20.3	101	3	30	80-121	
1,4-Dichlorobenzene	20.0	20.4	102	3	30	80-118	
2-Butanone (MEK)	100	95.2	95	4	30	69-128	
2-Hexanone	100	100	100	2	30	74-127	
4-Methyl-2-pentanone (MIBK)	100	103	103	5	30	78-125	
Acetone	100	93.1	93	2	30	61-134	
Benzene	20.0	20.7	104	6	30	78-126	
Bromoform	20.0	21.5	108	8	30	38-144	
Bromomethane	20.0	30.2	151	6	30	10-150	*
Carbon disulfide	20.0	20.6	103	1	30	64-138	
Carbon tetrachloride	20.0	20.7	104	4	30	56-131	
Chlorobenzene	20.0	21.0	105	8	30	80-119	
Chlorodibromomethane	20.0	21.1	106	4	30	58-130	
Chloroethane	20.0	22.2	111	6	30	29-150	
Chloroform	20.0	21.2	106	2	30	78-125	
Chloromethane	20.0	19.9	100	1	30	38-150	
cis-1,2-Dichloroethene	20.0	20.2	101	4	30	78-121	
cis-1,3-Dichloropropene	20.0	20.7	104	7	30	74-125	
Cyclohexane	20.0	20.4	102	2	30	67-133	
Dichlorobromomethane	20.0	20.8	104	2	30	72-121	
Dichlorodifluoromethane	20.0	19.3	97	0	30	31-150	
Ethylbenzene	20.0	20.7	103	7	30	78-120	
Ethylene Dibromide	20.0	19.6	98	2	30	69-126	
Isopropylbenzene	20.0	20.3	101	3	30	79-125	
Methyl acetate	40.0	44.2	110	6	30	70-127	
Methyl tert-butyl ether	20.0	20.2	101	4	30	65-131	
Methylcyclohexane	20.0	20.1	100	1	30	60-139	
Methylene Chloride	20.0	20.3	102	1	30	74-127	
Styrene	20.0	20.3	101	6	30	75-127	
Tetrachloroethene	20.0	20.0	100	3	30	70-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

Data Usability Summary Report

Site: SMP B - Jimmy's Dry Cleaners
Laboratory: Eurofins TestAmerica, Buffalo – Amherst, NY
SDG Number: 480-188996-1
Parameters: Volatile Organic Compounds (VOCs)
Reviewer: Amy Bass/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: September 26, 2021

Samples Reviewed and Evaluation Summary

18 / Groundwater: JDC-2010-MW-3D-WG-20210830, JDC-2010-MW-8D-WG-20210831, JDC-2010-MW-9D-WG-20210830, JDC-2010-MW-10D-WG-20210830, JDC-2010-MW-1I-WG-20210830, JDC-2010-MW-2I-WG-20210830, JDC-2010-MW-3I-WG-20210830, JDC-2010-MW-4I-WG-20210830, JDC-2010-MW-5I-WG-20210830, JDC-CMT-1-WG-20210831, JDC-CMT-2-WG-20210830, JDC-CMT-3-WG-20210830, JDC-CMT-4-WG-20210831, JDC-ITMW-2D-WG-20210830, JDC-ITMW-3D-WG-20210830, JDC-ITMW-4D-WG-20210830, JDC-ITMW-4S-WG-20210830, JDC-MW-EI-WG-20210830

1 / Trip Blank: TRIP BLANK-20210830

The above-listed samples were collected on August 30 and 31, 2021, and were analyzed for the following parameter:

- VOCs by SW-846 Method 8260C

The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005), November 2020*, modified for the SW-846 methodology utilized.

The data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
	• Data Completeness
*	• Holding Times and Sample Preservation
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	• Initial and Continuing Calibrations
*	• Blanks
*	• Surrogate Recoveries
	• Matrix Spike (MS)/MS Duplicate (MSD) Results
*	• Internal Standards
	• Laboratory Control Sample (LCS) Results
NA	• Field Duplicate Results
	• Sample Results and Reported Quantitation Limits (QLs)
*	• Target Compound Identification
*	• Tentatively Identified Compounds (TICs)

* - All criteria were met.
NA - A field duplicate pair was not associated with this data set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualifications applied to the data as a result of sampling error were not required. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC results that were between the method detection limit and QL. These results were qualified as estimated (J) by the laboratory. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The positive result for bromoform in sample JDC-2010-MW-2I-WG-2021083 was qualified as estimated (J) due to a calibration nonconformance, high LCS recovery, and detection below the QL. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

- The nondetect results for select VOCs in all samples were qualified as estimated (UJ) due to calibration nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package, with one exception. The laboratory did not report LCS and MS/MSD percent recoveries (%Rs), relative percent differences (RPDs), or laboratory acceptance criteria for total xylenes on the summary forms. The %Rs and RPD were calculated, and the laboratory acceptance limits were provided by the laboratory during validation of previous projects; no validation actions were taken on this basis.

It was noted that the laboratory entered the sample ID incorrectly for two samples:

- JDC-2010-MW-8D-WG-20210831 as JDC-2010MW-8D-WG-20210831 (missing the hyphen between “2010” and “MW”).
- JDC-2010-MW-4I-WG-20210830 as JDC-2010-MW-41-WG-20210830

These discrepancies are noted, but no validation action was taken on this basis.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

The coefficients of determination, percent relative standard deviations, and relative response factors (RRFs) were within the acceptance criteria in the initial calibration associated with the samples in this data set.

The following table summarizes the percent differences or percent drifts (%Ds) that did not meet the acceptance criteria in the continuing calibration (CC) standards associated with the samples in this data set. The RRFs for the CC standards met the acceptance criteria.

CC	Analyte	%D	Validation Actions
CCVIS 480-595165/4 09/02/2021 @21:57	1,2-Dibromo-3-chloropropane	36.1	The positive result for bromoform in sample JDC-2010-MW-2I-WG-20210830 was qualified as estimated (J), and the nondetect results for the noted VOCs in the associated samples were qualified as estimated (UJ).
	2-Hexanone	21.9	
	Bromoform	38.7	
	Carbon tetrachloride	22.0	
	Chloromethane	-26.2	
	Dibromochloromethane	34.4	
	Dichlorodifluoromethane	-34.6	
	Vinyl chloride	-23.8	
Associated samples: All samples of this data set, excluding the diluted analysis of sample JDC-ITMW-2D-WG-20210830.			
CCVIS 480-595211/3 09/03/2021 @09:06			Only tetrachloroethene was reported from the associated diluted analysis; qualification of the data was therefore not required due to these %Ds.
	1,2-Dibromo-3-chloropropane	51.0	
	2-Hexanone	21.8	
	Bromoform	42.2	
	Carbon tetrachloride	38.8	
	Dibromochloromethane	41.2	
Associated sample: JDC-ITMW-2D-WG-20210830 (diluted analysis only)			

Blanks

There were no target analytes detected in the method blanks or trip blank associated with this data set.

Surrogate Recoveries

The surrogate %Rs were within the laboratory acceptance limits.

MS/MSD Results

MS/MSD analyses were performed on sample JDC-MW-EI-WG-20210830. The following table summarizes the MS/MSD %Rs that did not meet the laboratory acceptance criteria. All MS/MSD RPDs met the laboratory acceptance criteria.

MS/MSD Parent Sample ID	Compound	MS %R	MSD %R	MS/MSD %R QC Limits	Validation Action
JDC-MW-EI-WG-20210830	1,2-Dibromo-3-chloropropane	158	150	56-134	Sample qualification was not required on this basis, since the noted VOCs were nondetect in sample JDC-MW-EI-WG-20210830.
	2-Hexanone	134	131	65-127	
	Carbon tetrachloride	139	-	72-134	
	Dibromochloromethane	135	130	75-125	
- Met criteria					

Internal Standards

All acceptance criteria were met.

LCS Results

The LCS %Rs were within the acceptance criteria, with some exceptions. The following table summarizes the LCS %Rs that did not meet the laboratory criteria, the associated samples, and the resulting validation actions.

LCS / LCSD ID	Compound	LCS %R	LCS %R QC Limits	Validation Actions
LCS 480-595165/6	1,2-Dibromo-3-chloropropane	137	56-134	The positive result for bromoform in sample JDC-2010-MW-2I-WG-20210830 was qualified as estimated (J); high bias was not applied since this result was also qualified as estimated (J) based on a CC nonconformance and based on detection below the QL. The resulting qualification is estimated (J), with no bias. Further qualification was not required since all other results for the noted VOCs in the associated samples were nondetect.
	Bromoform	134	61-132	
	Dibromochloromethane	135	75-125	
Associated samples: All samples of this data set, excluding the diluted analysis of sample JDC-ITMW-2D-WG-20210830.				
LCS 480-595211/5	1,2-Dibromo-3-chloropropane	142	56-134	Only tetrachloroethene was reported from the associated diluted analysis; qualification of the data was therefore not required on the basis of these LCS %Rs.
	2-Hexanone	132	65-127	
	Bromoform	149	61-132	
	Carbon tetrachloride	143	72-134	
	Dibromochloromethane	146	75-125	
Associated sample: JDC-ITMW-2D-WG-20210830 (diluted analysis only)				

Field Duplicate Results

A field duplicate pair was not submitted with this data set.

Sample Results and Reported QLs

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) by the laboratory.

Sample calculations were spot-checked; there were no errors noted.

There only dilution performed on the samples in this data set was a 50-fold dilution of sample JDC-ITMW-2D-WG-20210830 due to the concentration of tetrachloroethene which exceeded the range of calibration in the initial, undiluted analysis. The results of both analyses for this sample were reported by the laboratory; these results were combined during validation in order to report all results within the calibration range and the lowest possible QLs.

Target Compound Identification

All criteria were met for the VOC analyses.

Tentatively Identified Compounds

All criteria were met. No TICs were detected in the associated method blanks or trip blank.

QUALIFIED FORM 1s

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-1I-WG-20210830 Lab Sample ID: 480-188996-1

Matrix: Water Lab File ID: S3144.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 09/02/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	8.0	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-1I-WG-20210830 Lab Sample ID: 480-188996-1

Matrix: Water Lab File ID: S3144.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 09/02/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	3.8		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	28		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-1I-WG-20210830 Lab Sample ID: 480-188996-1

Matrix: Water Lab File ID: S3144.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 09/02/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	4.04	3.4	T J N	90%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-2I-WG-20210830 Lab Sample ID: 480-188996-2

Matrix: Water Lab File ID: S3145.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 00:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*1~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	8.1	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	0.80	~~J *1~~ J	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*1~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.37	J	1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-2I-WG-20210830 Lab Sample ID: 480-188996-2

Matrix: Water Lab File ID: S3145.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 00:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	12		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-2I-WG-20210830 Lab Sample ID: 480-188996-2

Matrix: Water Lab File ID: S3145.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 00:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	4.04	3.8	T J N	86%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-3I-WG-20210830 Lab Sample ID: 480-188996-3

Matrix: Water Lab File ID: S3146.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:45

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 00:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	18		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-3I-WG-20210830 Lab Sample ID: 480-188996-3

Matrix: Water Lab File ID: S3146.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:45

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 00:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.94	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	11		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-3I-WG-20210830 Lab Sample ID: 480-188996-3

Matrix: Water Lab File ID: S3146.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:45

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 00:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 2 TIC Result Total: 12.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.60	8.3	T J	
141-78-6	Ethyl Acetate	4.04	4.3	T J N	90%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-3D-WG-20210830 Lab Sample ID: 480-188996-4

Matrix: Water Lab File ID: S3147.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:40

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 01:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	9.4	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-3D-WG-20210830 Lab Sample ID: 480-188996-4

Matrix: Water Lab File ID: S3147.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:40

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 01:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	8.8		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-3D-WG-20210830 Lab Sample ID: 480-188996-4

Matrix: Water Lab File ID: S3147.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:40

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 01:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 2 TIC Result Total: 7.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	4.04	4.6	T J N	90%
	Unknown	10.66	2.6	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-41-WG-20210830 Lab Sample ID: 480-188996-5

Matrix: Water Lab File ID: S3148.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 01:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	15		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-41-WG-20210830 Lab Sample ID: 480-188996-5

Matrix: Water Lab File ID: S3148.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 01:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-41-WG-20210830 Lab Sample ID: 480-188996-5

Matrix: Water Lab File ID: S3148.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 01:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 2 TIC Result Total: 25.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	4.04	19	T J N	86%
	Unknown	10.66	6.7	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-5I-WG-20210830 Lab Sample ID: 480-188996-6

Matrix: Water Lab File ID: S3149.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 01:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	12		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-5I-WG-20210830 Lab Sample ID: 480-188996-6

Matrix: Water Lab File ID: S3149.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 01:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.98	J	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	0.53	J	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-5I-WG-20210830 Lab Sample ID: 480-188996-6

Matrix: Water Lab File ID: S3149.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 01:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 1 TIC Result Total: 4.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	4.04	4.1	T J N	90%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-9D-WG-20210830 Lab Sample ID: 480-188996-7

Matrix: Water Lab File ID: S3150.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:50

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 02:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	15		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-9D-WG-20210830 Lab Sample ID: 480-188996-7

Matrix: Water Lab File ID: S3150.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:50

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 02:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	2.1		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	90		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	1.1		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-9D-WG-20210830 Lab Sample ID: 480-188996-7

Matrix: Water Lab File ID: S3150.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:50

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 02:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 1 TIC Result Total: 4.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	4.04	4.3	T J N	90%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-10D-WG-20210830 Lab Sample ID: 480-188996-8

Matrix: Water Lab File ID: S3151.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 02:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	0.98	J	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	11		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	5.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-10D-WG-20210830 Lab Sample ID: 480-188996-8

Matrix: Water Lab File ID: S3151.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 02:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	1.3		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	12		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010-MW-10D-WG-20210830 Lab Sample ID: 480-188996-8

Matrix: Water Lab File ID: S3151.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 02:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 1 TIC Result Total: 4.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	4.04	4.2	T J N	90%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-2D-WG-20210830 Lab Sample ID: 480-188996-9

Matrix: Water Lab File ID: S3152.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 02:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	0.86	J	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	8.8	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	7.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-2D-WG-20210830 Lab Sample ID: 480-188996-9

Matrix: Water Lab File ID: S3152.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 02:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

X: Do Not Use

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	1.8		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
X 127-18-4	Tetrachloroethene	1700	E	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	9.5		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-2D-WG-20210830 Lab Sample ID: 480-188996-9

Matrix: Water Lab File ID: S3152.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 02:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-2D-WG-20210830 DL Lab Sample ID: 480-188996-9 DL

Matrix: Water Lab File ID: S3173.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 11:12

Soil Aliquot Vol: Dilution Factor: 50

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595211 Units: ug/L

X: Do Not Use

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	41
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	11
79-00-5	1,1,2-Trichloroethane	ND		50	12
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16
75-34-3	1,1-Dichloroethane	ND		50	19
75-35-4	1,1-Dichloroethene	ND		50	15
120-82-1	1,2,4-Trichlorobenzene	ND		50	21
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*+	50	20
95-50-1	1,2-Dichlorobenzene	ND		50	40
107-06-2	1,2-Dichloroethane	ND		50	11
78-87-5	1,2-Dichloropropane	ND		50	36
541-73-1	1,3-Dichlorobenzene	ND		50	39
106-46-7	1,4-Dichlorobenzene	ND		50	42
78-93-3	2-Butanone (MEK)	ND		500	66
591-78-6	2-Hexanone	ND	*+	250	62
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	110
67-64-1	Acetone	ND		500	150
71-43-2	Benzene	ND		50	21
75-27-4	Bromodichloromethane	ND		50	20
75-25-2	Bromoform	ND	*+	50	13
74-83-9	Bromomethane	ND		50	35
75-15-0	Carbon disulfide	ND		50	9.5
56-23-5	Carbon tetrachloride	ND	*+	50	14
108-90-7	Chlorobenzene	ND		50	38
124-48-1	Dibromochloromethane	ND	*+	50	16
75-00-3	Chloroethane	ND		50	16
67-66-3	Chloroform	ND		50	17
74-87-3	Chloromethane	ND		50	18
156-59-2	cis-1,2-Dichloroethene	ND		50	41
10061-01-5	cis-1,3-Dichloropropene	ND		50	18
110-82-7	Cyclohexane	ND		50	9.0
75-71-8	Dichlorodifluoromethane	ND		50	34
100-41-4	Ethylbenzene	ND		50	37
106-93-4	1,2-Dibromoethane	ND		50	37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-2D-WG-20210830 DL Lab Sample ID: 480-188996-9 DL

Matrix: Water Lab File ID: S3173.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 11:12

Soil Aliquot Vol: Dilution Factor: 50

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595211 Units: ug/L

X: Do Not Use

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
X 98-82-8	Isopropylbenzene	ND		50	40
79-20-9	Methyl acetate	ND		130	65
1634-04-4	Methyl tert-butyl ether	ND		50	8.0
108-87-2	Methylcyclohexane	ND		50	8.0
75-09-2	Methylene Chloride	ND		50	22
X 100-42-5	Styrene	ND		50	37
127-18-4	Tetrachloroethene	1900		50	18
X 108-88-3	Toluene	ND		50	26
156-60-5	trans-1,2-Dichloroethene	ND		50	45
10061-02-6	trans-1,3-Dichloropropene	ND		50	19
79-01-6	Trichloroethene	ND		50	23
75-69-4	Trichlorofluoromethane	ND		50	44
75-01-4	Vinyl chloride	ND		50	45
X 1330-20-7	Xylenes, Total	ND		100	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-2D-WG-20210830 DL Lab Sample ID: 480-188996-9 DL

Matrix: Water Lab File ID: S3173.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 11:12

Soil Aliquot Vol: Dilution Factor: 50

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595211 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-3D-WG-20210830 Lab Sample ID: 480-188996-10

Matrix: Water Lab File ID: S3153.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 03:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-3D-WG-20210830 Lab Sample ID: 480-188996-10

Matrix: Water Lab File ID: S3153.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 03:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.81	J	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-3D-WG-20210830 Lab Sample ID: 480-188996-10

Matrix: Water Lab File ID: S3153.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 03:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 2 TIC Result Total: 6.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.60	2.5	T J	
141-78-6	Ethyl Acetate	4.04	4.4	T J N	86%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-4S-WG-20210830 Lab Sample ID: 480-188996-11

Matrix: Water Lab File ID: S3154.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:30

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 03:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*+ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	*+ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	*+ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-4S-WG-20210830 Lab Sample ID: 480-188996-11

Matrix: Water Lab File ID: S3154.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:30

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 03:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-4S-WG-20210830 Lab Sample ID: 480-188996-11

Matrix: Water Lab File ID: S3154.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:30

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 03:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 3 TIC Result Total: 26.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.60	3.3	T J	
141-78-6	Ethyl Acetate	4.04	17	T J N	86%
	Unknown	10.66	6.5	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-4D-WG-20210830 Lab Sample ID: 480-188996-12

Matrix: Water Lab File ID: S3155.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:35

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 04:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*1~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	9.4	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*1~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*1~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-4D-WG-20210830 Lab Sample ID: 480-188996-12

Matrix: Water Lab File ID: S3155.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:35

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 04:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	1.2		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-ITMW-4D-WG-20210830 Lab Sample ID: 480-188996-12

Matrix: Water Lab File ID: S3155.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:35

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 04:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
141-78-6	Ethyl Acetate	4.04	3.9	T J N	90%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-MW-EI-WG-20210830 Lab Sample ID: 480-188996-13

Matrix: Water Lab File ID: S3156.D

Analysis Method: 8260C Date Collected: 08/30/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 04:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~F1 *+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	~~F1~~ UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	18		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	~~F1~~ UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~F1 *+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-MW-EI-WG-20210830 Lab Sample ID: 480-188996-13

Matrix: Water Lab File ID: S3156.D

Analysis Method: 8260C Date Collected: 08/30/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 04:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	11		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-MW-EI-WG-20210830 Lab Sample ID: 480-188996-13

Matrix: Water Lab File ID: S3156.D

Analysis Method: 8260C Date Collected: 08/30/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 04:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 3 TIC Result Total: 42.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.60	23	T J	
141-78-6	Ethyl Acetate	4.04	13	T J N	86%
	Unknown	10.66	6.7	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-2-WG-20210830 Lab Sample ID: 480-188996-14

Matrix: Water Lab File ID: S3157.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:10

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 04:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-2-WG-20210830 Lab Sample ID: 480-188996-14

Matrix: Water Lab File ID: S3157.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:10

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 04:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-2-WG-20210830 Lab Sample ID: 480-188996-14

Matrix: Water Lab File ID: S3157.D

Analysis Method: 8260C Date Collected: 08/30/2021 10:10

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 04:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-3-WG-20210830 Lab Sample ID: 480-188996-15

Matrix: Water Lab File ID: S3158.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:55

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 05:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	6.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-3-WG-20210830 Lab Sample ID: 480-188996-15

Matrix: Water Lab File ID: S3158.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:55

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 05:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.63	J	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	10		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-3-WG-20210830 Lab Sample ID: 480-188996-15

Matrix: Water Lab File ID: S3158.D

Analysis Method: 8260C Date Collected: 08/30/2021 11:55

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 05:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: TRIP BLANK-20210830 Lab Sample ID: 480-188996-16

Matrix: Water Lab File ID: S3159.D

Analysis Method: 8260C Date Collected: 08/30/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 05:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: TRIP BLANK-20210830 Lab Sample ID: 480-188996-16

Matrix: Water Lab File ID: S3159.D

Analysis Method: 8260C Date Collected: 08/30/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 05:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: TRIP BLANK-20210830 Lab Sample ID: 480-188996-16

Matrix: Water Lab File ID: S3159.D

Analysis Method: 8260C Date Collected: 08/30/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 05:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-4-WG-20210831 Lab Sample ID: 480-188996-17

Matrix: Water Lab File ID: S3160.D

Analysis Method: 8260C Date Collected: 08/31/2021 10:50

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 06:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	7.0	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-4-WG-20210831 Lab Sample ID: 480-188996-17

Matrix: Water Lab File ID: S3160.D

Analysis Method: 8260C Date Collected: 08/31/2021 10:50

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 06:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-4-WG-20210831 Lab Sample ID: 480-188996-17

Matrix: Water Lab File ID: S3160.D

Analysis Method: 8260C Date Collected: 08/31/2021 10:50

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 06:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-1-WG-20210831 Lab Sample ID: 480-188996-18

Matrix: Water Lab File ID: S3161.D

Analysis Method: 8260C Date Collected: 08/31/2021 13:40

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 06:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.45	J	1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-1-WG-20210831 Lab Sample ID: 480-188996-18

Matrix: Water Lab File ID: S3161.D

Analysis Method: 8260C Date Collected: 08/31/2021 13:40

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 06:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	12		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-CMT-1-WG-20210831 Lab Sample ID: 480-188996-18

Matrix: Water Lab File ID: S3161.D

Analysis Method: 8260C Date Collected: 08/31/2021 13:40

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 06:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010MW-8D-WG-20210831 Lab Sample ID: 480-188996-19

Matrix: Water Lab File ID: S3162.D

Analysis Method: 8260C Date Collected: 08/31/2021 12:30

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 06:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND	~~*+~~ UJ	1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND	UJ	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	~~*+~~ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	UJ	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	~~*+~~ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	UJ	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010MW-8D-WG-20210831 Lab Sample ID: 480-188996-19

Matrix: Water Lab File ID: S3162.D

Analysis Method: 8260C Date Collected: 08/31/2021 12:30

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 06:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	20		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	UJ	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Client Sample ID: JDC-2010MW-8D-WG-20210831 Lab Sample ID: 480-188996-19

Matrix: Water Lab File ID: S3162.D

Analysis Method: 8260C Date Collected: 08/31/2021 12:30

Sample wt/vol: 5(mL) Date Analyzed: 09/03/2021 06:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 595165 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

QC NONCONFORMANCE DOCUMENTATION

FORM VII

GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Lab Sample ID: CCVIS 480-595165/4 Calibration Date: 09/02/2021 21:57

Instrument ID: HP5973S Calib Start Date: 07/28/2021 17:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/28/2021 20:32

Lab File ID: S3139.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.772	1.159	0.1000	16.4	25.0	-34.6	50.0
Chloromethane	Ave	2.670	1.969	0.1000	18.4	25.0	-26.2*	20.0
Vinyl chloride	Ave	2.269	1.729	0.1000	19.0	25.0	-23.8*	20.0
Butadiene	Ave	2.192	2.004		22.9	25.0	-8.6	20.0
Bromomethane	Ave	1.307	1.111	0.1000	21.2	25.0	-15.0	50.0
Chloroethane	Ave	1.340	1.183	0.1000	22.1	25.0	-11.7	50.0
Dichlorofluoromethane	Ave	2.980	2.644		22.2	25.0	-11.3	20.0
Trichlorofluoromethane	Ave	2.326	2.065	0.1000	22.2	25.0	-11.2	20.0
Ethyl ether	Ave	1.692	1.498		22.1	25.0	-11.5	20.0
~~Acrolein~~	Ave	0.0973	0.0600		77.1	125	~~-38.3~~	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.411	1.303	0.1000	23.1	25.0	-7.6	20.0
1,1-Dichloroethene	Ave	1.419	1.211	0.1000	21.3	25.0	-14.6	20.0
Acetone	Ave	0.8280	0.7646	0.1000	115	125	-7.7	50.0
Iodomethane	Ave	2.758	2.514		22.8	25.0	-8.9	20.0
Carbon disulfide	Ave	4.865	4.185	0.1000	21.5	25.0	-14.0	20.0
Allyl chloride	Ave	3.151	2.767		22.0	25.0	-12.2	20.0
Methyl acetate	Ave	1.801	1.575	0.1000	43.7	50.0	-12.6	50.0
Methylene Chloride	Lin1		1.677	0.1000	23.8	25.0	-4.7	20.0
2-Methyl-2-propanol	Ave	0.1996	0.1941		243	250	-2.7	50.0
Methyl tert-butyl ether	Ave	5.851	4.937	0.1000	21.1	25.0	-15.6	20.0
trans-1,2-Dichloroethene	Ave	1.694	1.530	0.1000	22.6	25.0	-9.7	20.0
Acrylonitrile	Ave	0.9935	0.8627		217	250	-13.2	20.0
Hexane	Ave	2.518	2.428		24.1	25.0	-3.6	20.0
1,1-Dichloroethane	Ave	3.193	2.924	0.2000	22.9	25.0	-8.4	20.0
~~Vinyl acetate~~	Ave	2.893	3.742		64.7	50.0	~~29.3~~*	20.0
2,2-Dichloropropane	Ave	1.488	1.386		23.3	25.0	-6.8	20.0
cis-1,2-Dichloroethene	Ave	1.884	1.666	0.1000	22.1	25.0	-11.6	20.0
2-Butanone (MEK)	Ave	1.082	1.094	0.1000	126	125	1.1	20.0
Chlorobromomethane	Ave	1.061	0.9529		22.5	25.0	-10.1	20.0
Tetrahydrofuran	Ave	0.8244	0.7520		45.6	50.0	-8.8	20.0
Chloroform	Ave	2.987	2.625	0.2000	22.0	25.0	-12.1	20.0
1,1,1-Trichloroethane	Ave	2.247	2.242	0.1000	24.9	25.0	-0.2	20.0
Cyclohexane	Ave	3.358	3.195	0.1000	23.8	25.0	-4.8	20.0
Carbon tetrachloride	Ave	1.539	1.877	0.1000	30.5	25.0	22.0*	20.0
1,1-Dichloropropene	Ave	2.145	2.012		23.4	25.0	-6.2	20.0
Benzene	Ave	6.438	5.914	0.5000	23.0	25.0	-8.1	20.0
~~Isobutyl alcohol~~	Lin1		0.0931		763	625	~~22.1~~	50.0
1,2-Dichloroethane	Ave	2.649	2.281	0.1000	21.5	25.0	-13.9	20.0
n-Heptane	Ave	2.782	2.794		25.1	25.0	0.4	20.0
Trichloroethene	Ave	1.654	1.525	0.2000	23.1	25.0	-7.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Lab Sample ID: CCVIS 480-595165/4 Calibration Date: 09/02/2021 21:57

Instrument ID: HP5973S Calib Start Date: 07/28/2021 17:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/28/2021 20:32

Lab File ID: S3139.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.856	2.690	0.1000	23.5	25.0	-5.8	20.0
1,2-Dichloropropane	Ave	1.679	1.578	0.1000	23.5	25.0	-6.0	20.0
Dibromomethane	Ave	1.025	0.9250	0.1000	22.6	25.0	-9.8	20.0
1,4-Dioxane	Ave	0.0094	0.0110		586	500	17.3	50.0
Bromodichloromethane	Ave	1.697	1.806	0.2000	26.6	25.0	6.4	20.0
~~2-Chloroethyl vinyl ether~~	Ave	1.082	0.7472		17.3	25.0	~~-30.9~~*	20.0
cis-1,3-Dichloropropene	Ave	2.206	2.196	0.2000	24.9	25.0	-0.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.145	1.171	0.1000	128	125	2.3	20.0
Toluene	Ave	2.097	1.918	0.4000	22.9	25.0	-8.5	20.0
trans-1,3-Dichloropropene	Ave	0.9363	0.999	0.1000	26.7	25.0	6.7	20.0
~~Ethyl methacrylate~~	Lin1		1.028		30.9	25.0	~~23.6~~*	20.0
1,1,2-Trichloroethane	Ave	0.5808	0.5460	0.1000	23.5	25.0	-6.0	20.0
Tetrachloroethene	Ave	0.8965	0.8135	0.2000	22.7	25.0	-9.3	20.0
1,3-Dichloropropane	Ave	1.195	1.152		24.1	25.0	-3.7	20.0
2-Hexanone	Ave	0.7096	0.8650	0.1000	152	125	21.9*	20.0
Dibromochloromethane	Ave	0.5183	0.6967	0.1000	33.6	25.0	34.4*	20.0
1,2-Dibromoethane	Ave	0.6953	0.7014		25.2	25.0	0.9	20.0
Chlorobenzene	Ave	2.424	2.218	0.5000	22.9	25.0	-8.5	20.0
Ethylbenzene	Ave	3.938	3.614	0.1000	22.9	25.0	-8.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6602	0.7836		29.7	25.0	18.7	20.0
m,p-Xylene	Ave	1.569	1.434	0.1000	22.9	25.0	-8.6	20.0
o-Xylene	Ave	1.597	1.468	0.3000	23.0	25.0	-8.1	20.0
Styrene	Ave	2.573	2.454	0.3000	23.8	25.0	-4.6	20.0
Bromoform	Lin1		0.4595	0.1000	34.7	25.0	38.7	50.0
Isopropylbenzene	Ave	3.788	3.344	0.1000	22.1	25.0	-11.7	20.0
Bromobenzene	Ave	0.9561	0.8837		23.1	25.0	-7.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8894	0.8496	0.3000	23.9	25.0	-4.5	20.0
N-Propylbenzene	Ave	4.217	3.821		22.7	25.0	-9.4	20.0
1,2,3-Trichloropropane	Ave	0.3092	0.2930		23.7	25.0	-5.2	20.0
~~trans-1,4-Dichloro-2-butene~~	Ave	0.2776	0.1875		16.9	25.0	~~-32.5~~	50.0
2-Chlorotoluene	Ave	0.9139	0.8286		22.7	25.0	-9.3	20.0
1,3,5-Trimethylbenzene	Ave	3.221	2.835		22.0	25.0	-12.0	20.0
4-Chlorotoluene	Ave	0.9200	0.8672		23.6	25.0	-5.7	20.0
tert-Butylbenzene	Ave	0.7253	0.6792		23.4	25.0	-6.4	20.0
1,2,4-Trimethylbenzene	Ave	3.328	2.959		22.2	25.0	-11.1	20.0
sec-Butylbenzene	Ave	4.049	3.655		22.6	25.0	-9.7	20.0
1,3-Dichlorobenzene	Ave	1.935	1.732	0.6000	22.4	25.0	-10.5	20.0
4-Isopropyltoluene	Ave	3.695	3.357		22.7	25.0	-9.2	20.0
1,4-Dichlorobenzene	Ave	1.926	1.768	0.5000	22.9	25.0	-8.2	20.0
n-Butylbenzene	Ave	3.109	2.825		22.7	25.0	-9.1	20.0
1,2-Dichlorobenzene	Ave	1.969	1.715	0.4000	21.8	25.0	-12.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Lab Sample ID: CCVIS 480-595165/4 Calibration Date: 09/02/2021 21:57

Instrument ID: HP5973S Calib Start Date: 07/28/2021 17:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/28/2021 20:32

Lab File ID: S3139.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1179	0.1604	0.0500	34.0	25.0	36.1	50.0
1,2,4-Trichlorobenzene	Ave	1.541	1.279	0.2000	20.7	25.0	-17.0	20.0
Hexachlorobutadiene	Ave	0.6221	0.5301		21.3	25.0	-14.8	20.0
Naphthalene	Ave	4.316	3.710		21.5	25.0	-14.0	20.0
1,2,3-Trichlorobenzene	Ave	1.517	1.254		20.7	25.0	-17.4	20.0
Dibromofluoromethane (Surr)	Ave	1.444	1.415		24.5	25.0	-2.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8658	0.8445		24.4	25.0	-2.5	20.0
Toluene-d8 (Surr)	Ave	2.637	2.553		24.2	25.0	-3.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8680	0.8792		25.3	25.0	1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Lab Sample ID: CCVIS 480-595211/3 Calibration Date: 09/03/2021 09:06

Instrument ID: HP5973S Calib Start Date: 07/28/2021 17:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/28/2021 20:32

Lab File ID: S3168.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.772	1.999	0.1000	28.2	25.0	12.8	50.0
Chloromethane	Ave	2.670	2.663	0.1000	24.9	25.0	-0.3	20.0
Vinyl chloride	Ave	2.269	2.311	0.1000	25.5	25.0	1.8	20.0
Butadiene	Ave	2.192	2.582		29.4	25.0	17.8	20.0
Bromomethane	Ave	1.307	1.364	0.1000	26.1	25.0	4.4	50.0
Chloroethane	Ave	1.340	1.475	0.1000	27.5	25.0	10.1	50.0
Dichlorofluoromethane	Ave	2.980	3.090		25.9	25.0	3.7	20.0
Trichlorofluoromethane	Ave	2.326	2.647	0.1000	28.5	25.0	13.8	20.0
Ethyl ether	Ave	1.692	1.677		24.8	25.0	-0.9	20.0
~~Acrolein~~	Ave	0.0973	0.0684		87.9	125	~~-29.6~~	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.411	1.596	0.1000	28.3	25.0	13.1	20.0
1,1-Dichloroethene	Ave	1.419	1.446	0.1000	25.5	25.0	2.0	20.0
Acetone	Ave	0.8280	0.8996	0.1000	136	125	8.6	50.0
Iodomethane	Ave	2.758	2.699		24.5	25.0	-2.1	20.0
Carbon disulfide	Ave	4.865	5.000	0.1000	25.7	25.0	2.8	20.0
Allyl chloride	Ave	3.151	3.194		25.3	25.0	1.3	20.0
Methyl acetate	Ave	1.801	1.761	0.1000	48.9	50.0	-2.2	50.0
Methylene Chloride	Lin1		1.855	0.1000	26.4	25.0	5.7	20.0
~~2-Methyl-2-propanol~~	Ave	0.1996	0.2640		331	250	~~32.3~~	50.0
Methyl tert-butyl ether	Ave	5.851	5.487	0.1000	23.4	25.0	-6.2	20.0
trans-1,2-Dichloroethene	Ave	1.694	1.726	0.1000	25.5	25.0	1.9	20.0
Acrylonitrile	Ave	0.9935	0.9689		244	250	-2.5	20.0
Hexane	Ave	2.518	2.880		28.6	25.0	14.4	20.0
1,1-Dichloroethane	Ave	3.193	3.251	0.2000	25.4	25.0	1.8	20.0
~~Vinyl acetate~~	Ave	2.893	4.116		71.1	50.0	~~42.3~~*	20.0
~~2,2-Dichloropropane~~	Ave	1.488	1.901		31.9	25.0	~~27.8~~*	20.0
cis-1,2-Dichloroethene	Ave	1.884	1.819	0.1000	24.1	25.0	-3.5	20.0
2-Butanone (MEK)	Ave	1.082	1.165	0.1000	134	125	7.6	20.0
Chlorobromomethane	Ave	1.061	1.021		24.1	25.0	-3.7	20.0
Tetrahydrofuran	Ave	0.8244	0.7980		48.4	50.0	-3.2	20.0
Chloroform	Ave	2.987	2.885	0.2000	24.1	25.0	-3.4	20.0
1,1,1-Trichloroethane	Ave	2.247	2.569	0.1000	28.6	25.0	14.3	20.0
Cyclohexane	Ave	3.358	3.743	0.1000	27.9	25.0	11.5	20.0
Carbon tetrachloride	Ave	1.539	2.137	0.1000	34.7	25.0	38.8*	20.0
1,1-Dichloropropene	Ave	2.145	2.178		25.4	25.0	1.5	20.0
Benzene	Ave	6.438	6.334	0.5000	24.6	25.0	-1.6	20.0
~~Isobutyl alcohol~~	Lin1		0.1052		861	625	~~37.7~~	50.0
1,2-Dichloroethane	Ave	2.649	2.471	0.1000	23.3	25.0	-6.7	20.0
n-Heptane	Ave	2.782	3.085		27.7	25.0	10.9	20.0
Trichloroethene	Ave	1.654	1.622	0.2000	24.5	25.0	-1.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Lab Sample ID: CCVIS 480-595211/3 Calibration Date: 09/03/2021 09:06

Instrument ID: HP5973S Calib Start Date: 07/28/2021 17:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/28/2021 20:32

Lab File ID: S3168.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.856	3.151	0.1000	27.6	25.0	10.3	20.0
1,2-Dichloropropane	Ave	1.679	1.660	0.1000	24.7	25.0	-1.1	20.0
Dibromomethane	Ave	1.025	1.006	0.1000	24.5	25.0	-1.9	20.0
~~1,4-Dioxane~~	Ave	0.0094	0.0119		632	500	~~26.5~~	50.0
Bromodichloromethane	Ave	1.697	1.944	0.2000	28.6	25.0	14.5	20.0
2-Chloroethyl vinyl ether	Ave	1.082	1.060		24.5	25.0	-2.0	20.0
cis-1,3-Dichloropropene	Ave	2.206	2.315	0.2000	26.2	25.0	4.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.145	1.176	0.1000	128	125	2.7	20.0
Toluene	Ave	2.097	1.983	0.4000	23.6	25.0	-5.4	20.0
trans-1,3-Dichloropropene	Ave	0.9363	1.028	0.1000	27.4	25.0	9.8	20.0
Ethyl methacrylate	Lin1		0.9947		29.9	25.0	19.6	20.0
1,1,2-Trichloroethane	Ave	0.5808	0.5758	0.1000	24.8	25.0	-0.9	20.0
Tetrachloroethene	Ave	0.8965	0.8677	0.2000	24.2	25.0	-3.2	20.0
1,3-Dichloropropane	Ave	1.195	1.162		24.3	25.0	-2.8	20.0
2-Hexanone	Ave	0.7096	0.8645	0.1000	152	125	21.8*	20.0
Dibromochloromethane	Ave	0.5183	0.7320	0.1000	35.3	25.0	41.2*	20.0
1,2-Dibromoethane	Ave	0.6953	0.7527		27.1	25.0	8.3	20.0
Chlorobenzene	Ave	2.424	2.363	0.5000	24.4	25.0	-2.5	20.0
Ethylbenzene	Ave	3.938	3.844	0.1000	24.4	25.0	-2.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6602	0.8359		31.7	25.0	26.6*	20.0
m,p-Xylene	Ave	1.569	1.557	0.1000	24.8	25.0	-0.7	20.0
o-Xylene	Ave	1.597	1.519	0.3000	23.8	25.0	-4.9	20.0
Styrene	Ave	2.573	2.566	0.3000	24.9	25.0	-0.3	20.0
Bromoform	Lin1		0.4710	0.1000	35.5	25.0	42.2	50.0
Isopropylbenzene	Ave	3.788	3.670	0.1000	24.2	25.0	-3.1	20.0
Bromobenzene	Ave	0.9561	0.9641		25.2	25.0	0.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8894	0.9385	0.3000	26.4	25.0	5.5	20.0
N-Propylbenzene	Ave	4.217	4.279		25.4	25.0	1.5	20.0
1,2,3-Trichloropropane	Ave	0.3092	0.3222		26.1	25.0	4.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2776	0.2513		22.6	25.0	-9.5	50.0
2-Chlorotoluene	Ave	0.9139	0.9286		25.4	25.0	1.6	20.0
1,3,5-Trimethylbenzene	Ave	3.221	3.155		24.5	25.0	-2.0	20.0
4-Chlorotoluene	Ave	0.9200	0.9190		25.0	25.0	-0.1	20.0
tert-Butylbenzene	Ave	0.7253	0.7351		25.3	25.0	1.3	20.0
1,2,4-Trimethylbenzene	Ave	3.328	3.321		24.9	25.0	-0.2	20.0
sec-Butylbenzene	Ave	4.049	4.063		25.1	25.0	0.3	20.0
1,3-Dichlorobenzene	Ave	1.935	1.876	0.6000	24.2	25.0	-3.1	20.0
4-Isopropyltoluene	Ave	3.695	3.736		25.3	25.0	1.1	20.0
1,4-Dichlorobenzene	Ave	1.926	1.916	0.5000	24.9	25.0	-0.5	20.0
n-Butylbenzene	Ave	3.109	3.116		25.1	25.0	0.2	20.0
1,2-Dichlorobenzene	Ave	1.969	1.887	0.4000	24.0	25.0	-4.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Lab Sample ID: CCVIS 480-595211/3 Calibration Date: 09/03/2021 09:06

Instrument ID: HP5973S Calib Start Date: 07/28/2021 17:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/28/2021 20:32

Lab File ID: S3168.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1179	0.1781	0.0500	37.8	25.0	51.0*	50.0
1,2,4-Trichlorobenzene	Ave	1.541	1.390	0.2000	22.6	25.0	-9.8	20.0
Hexachlorobutadiene	Ave	0.6221	0.5915		23.8	25.0	-4.9	20.0
Naphthalene	Ave	4.316	4.033		23.4	25.0	-6.6	20.0
1,2,3-Trichlorobenzene	Ave	1.517	1.403		23.1	25.0	-7.5	20.0
Dibromofluoromethane (Surr)	Ave	1.444	1.450		25.1	25.0	0.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8658	0.8550		24.7	25.0	-1.2	20.0
Toluene-d8 (Surr)	Ave	2.637	2.524		23.9	25.0	-4.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8680	0.8704		25.1	25.0	0.3	20.0

FORM III

GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3163.D

Lab ID: 480-188996-13 MS Client ID: JDC-MW-EI-WG-20210830 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	ND	28.9	116	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	26.0	104	76-120	
1,1,2-Trichloroethane	25.0	ND	25.1	100	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	25.5	102	61-148	
1,1-Dichloroethane	25.0	ND	25.5	102	77-120	
1,1-Dichloroethene	25.0	ND	25.7	103	66-127	
1,2,4-Trichlorobenzene	25.0	ND	23.1	93	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	39.5	158	56-134	F1
1,2-Dichlorobenzene	25.0	ND	23.8	95	80-124	
1,2-Dichloroethane	25.0	ND	23.3	93	75-120	
1,2-Dichloropropane	25.0	ND	25.6	103	76-120	
1,3-Dichlorobenzene	25.0	ND	24.1	96	77-120	
1,4-Dichlorobenzene	25.0	ND	24.4	98	78-124	
2-Butanone (MEK)	125	ND	137	109	57-140	
2-Hexanone	125	ND	168	134	65-127	F1
4-Methyl-2-pentanone (MIBK)	125	ND	143	115	71-125	
Acetone	125	18	129	88	56-142	
Benzene	25.0	ND	25.3	101	71-124	
Bromodichloromethane	25.0	ND	28.1	112	80-122	
Bromoform	25.0	ND	31.6	127	61-132	
Bromomethane	25.0	ND	24.9	100	55-144	
Carbon disulfide	25.0	ND	24.2	97	59-134	
Carbon tetrachloride	25.0	ND	34.8	139	72-134	F1
Chlorobenzene	25.0	ND	25.1	100	80-120	
Dibromochloromethane	25.0	ND	33.8	135	75-125	F1
Chloroethane	25.0	ND	28.3	113	69-136	
Chloroform	25.0	ND	24.1	96	73-127	
Chloromethane	25.0	ND	23.6	94	68-124	
cis-1,2-Dichloroethene	25.0	ND	24.5	98	74-124	
cis-1,3-Dichloropropene	25.0	ND	25.0	100	74-124	
Cyclohexane	25.0	ND	25.7	103	59-135	
Dichlorodifluoromethane	25.0	ND	19.3	77	59-135	
Ethylbenzene	25.0	ND	25.7	103	77-123	
1,2-Dibromoethane	25.0	ND	27.2	109	77-120	
Isopropylbenzene	25.0	ND	24.6	98	77-122	
Methyl acetate	50.0	ND	48.2	96	74-133	
Methyl tert-butyl ether	25.0	ND	22.9	92	77-120	
Methylcyclohexane	25.0	ND	25.8	103	68-134	
Methylene Chloride	25.0	ND	27.3	109	75-124	
Styrene	25.0	ND	26.1	105	80-120	
Tetrachloroethene	25.0	11	36.7	101	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III

GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3164.D

Lab ID: 480-188996-13 MSD Client ID: JDC-MW-EI-WG-20210830 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.0	104	11	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.9	100	4	15	76-120	
1,1,2-Trichloroethane	25.0	23.8	95	5	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.3	89	14	20	61-148	
1,1-Dichloroethane	25.0	23.5	94	8	20	77-120	
1,1-Dichloroethene	25.0	23.0	92	11	16	66-127	
1,2,4-Trichlorobenzene	25.0	20.6	82	11	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	37.4	150	6	15	56-134	F1
1,2-Dichlorobenzene	25.0	22.1	89	7	20	80-124	
1,2-Dichloroethane	25.0	22.3	89	4	20	75-120	
1,2-Dichloropropane	25.0	24.3	97	6	20	76-120	
1,3-Dichlorobenzene	25.0	22.5	90	7	20	77-120	
1,4-Dichlorobenzene	25.0	23.1	93	5	20	78-124	
2-Butanone (MEK)	125	133	106	3	20	57-140	
2-Hexanone	125	164	131	2	15	65-127	F1
4-Methyl-2-pentanone (MIBK)	125	139	111	3	35	71-125	
Acetone	125	125	85	3	15	56-142	
Benzene	25.0	23.9	96	6	13	71-124	
Bromodichloromethane	25.0	26.8	107	5	15	80-122	
Bromoform	25.0	32.2	129	2	15	61-132	
Bromomethane	25.0	24.0	96	4	15	55-144	
Carbon disulfide	25.0	21.0	84	14	15	59-134	
Carbon tetrachloride	25.0	32.0	128	9	15	72-134	
Chlorobenzene	25.0	23.3	93	7	25	80-120	
Dibromochloromethane	25.0	32.4	130	4	15	75-125	F1
Chloroethane	25.0	26.2	105	8	15	69-136	
Chloroform	25.0	22.6	90	6	20	73-127	
Chloromethane	25.0	22.3	89	5	15	68-124	
cis-1,2-Dichloroethene	25.0	22.6	90	8	15	74-124	
cis-1,3-Dichloropropene	25.0	23.8	95	5	15	74-124	
Cyclohexane	25.0	23.3	93	10	20	59-135	
Dichlorodifluoromethane	25.0	17.3	69	11	20	59-135	
Ethylbenzene	25.0	23.7	95	8	15	77-123	
1,2-Dibromoethane	25.0	26.4	105	3	15	77-120	
Isopropylbenzene	25.0	22.3	89	10	20	77-122	
Methyl acetate	50.0	47.5	95	2	20	74-133	
Methyl tert-butyl ether	25.0	21.8	87	5	37	77-120	
Methylcyclohexane	25.0	23.3	93	10	20	68-134	
Methylene Chloride	25.0	25.4	102	7	15	75-124	
Styrene	25.0	24.6	98	6	20	80-120	
Tetrachloroethene	25.0	33.9	90	8	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III

GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3141.D

Lab ID: LCS 480-595165/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.5	98	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.6	94	76-120	
1,1,2-Trichloroethane	25.0	23.1	92	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.6	95	61-148	
1,1-Dichloroethane	25.0	23.0	92	77-120	
1,1-Dichloroethene	25.0	21.5	86	66-127	
1,2,4-Trichlorobenzene	25.0	21.0	84	79-122	
1,2-Dibromo-3-Chloropropane	25.0	34.3	137	56-134	*+
1,2-Dichlorobenzene	25.0	21.5	86	80-124	
1,2-Dichloroethane	25.0	21.0	84	75-120	
1,2-Dichloropropane	25.0	23.3	93	76-120	
1,3-Dichlorobenzene	25.0	21.9	88	77-120	
1,4-Dichlorobenzene	25.0	22.4	90	80-120	
2-Butanone (MEK)	125	126	100	57-140	
2-Hexanone	125	146	116	65-127	
4-Methyl-2-pentanone (MIBK)	125	123	98	71-125	
Acetone	125	117	94	56-142	
Benzene	25.0	22.3	89	71-124	
Bromodichloromethane	25.0	26.1	104	80-122	
Bromoform	25.0	33.4	134	61-132	*+
Bromomethane	25.0	21.8	87	55-144	
Carbon disulfide	25.0	21.6	86	59-134	
Carbon tetrachloride	25.0	29.9	120	72-134	
Chlorobenzene	25.0	22.1	88	80-120	
Dibromochloromethane	25.0	33.7	135	75-125	*+
Chloroethane	25.0	22.7	91	69-136	
Chloroform	25.0	21.7	87	73-127	
Chloromethane	25.0	19.2	77	68-124	
cis-1,2-Dichloroethene	25.0	21.8	87	74-124	
cis-1,3-Dichloropropene	25.0	25.3	101	74-124	
Cyclohexane	25.0	23.5	94	59-135	
Dichlorodifluoromethane	25.0	16.6	66	59-135	
Ethylbenzene	25.0	22.1	88	77-123	
1,2-Dibromoethane	25.0	25.5	102	77-120	
Isopropylbenzene	25.0	21.9	87	77-122	
Methyl acetate	50.0	46.1	92	74-133	
Methyl tert-butyl ether	25.0	21.6	87	77-120	
Methylcyclohexane	25.0	23.2	93	68-134	
Methylene Chloride	25.0	24.5	98	75-124	
Styrene	25.0	22.8	91	80-120	
Tetrachloroethene	25.0	21.3	85	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188996-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3170.D

Lab ID: LCS 480-595211/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	28.6	114	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.1	104	76-120	
1,1,2-Trichloroethane	25.0	25.7	103	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.0	116	61-148	
1,1-Dichloroethane	25.0	25.9	104	77-120	
1,1-Dichloroethene	25.0	25.9	103	66-127	
1,2,4-Trichlorobenzene	25.0	22.8	91	79-122	
1,2-Dibromo-3-Chloropropane	25.0	35.5	142	56-134	*+
1,2-Dichlorobenzene	25.0	23.7	95	80-124	
1,2-Dichloroethane	25.0	23.9	96	75-120	
1,2-Dichloropropane	25.0	26.2	105	76-120	
1,3-Dichlorobenzene	25.0	24.4	97	77-120	
1,4-Dichlorobenzene	25.0	25.1	100	80-120	
2-Butanone (MEK)	125	138	111	57-140	
2-Hexanone	125	165	132	65-127	*+
4-Methyl-2-pentanone (MIBK)	125	138	111	71-125	
Acetone	125	128	103	56-142	
Benzene	25.0	25.8	103	71-124	
Bromodichloromethane	25.0	29.3	117	80-122	
Bromoform	25.0	37.3	149	61-132	*+
Bromomethane	25.0	26.4	106	55-144	
Carbon disulfide	25.0	27.2	109	59-134	
Carbon tetrachloride	25.0	35.9	143	72-134	*+
Chlorobenzene	25.0	25.4	101	80-120	
Dibromochloromethane	25.0	36.6	146	75-125	*+
Chloroethane	25.0	28.0	112	69-136	
Chloroform	25.0	24.5	98	73-127	
Chloromethane	25.0	24.7	99	68-124	
cis-1,2-Dichloroethene	25.0	25.1	100	74-124	
cis-1,3-Dichloropropene	25.0	28.2	113	74-124	
Cyclohexane	25.0	28.9	116	59-135	
Dichlorodifluoromethane	25.0	28.3	113	59-135	
Ethylbenzene	25.0	25.8	103	77-123	
1,2-Dibromoethane	25.0	27.7	111	77-120	
Isopropylbenzene	25.0	25.2	101	77-122	
Methyl acetate	50.0	49.0	98	74-133	
Methyl tert-butyl ether	25.0	23.0	92	77-120	
Methylcyclohexane	25.0	28.8	115	68-134	
Methylene Chloride	25.0	26.9	108	75-124	
Styrene	25.0	26.2	105	80-120	
Tetrachloroethene	25.0	26.1	104	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

Appendix H

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ANALYTICAL REPORT

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000

Laboratory Job ID: 140-23153-1
Client Project/Site: Jimmy's Dry Cleaners

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Brianna Scharf

Authorized for release by:
5/27/2021 5:26:42 PM

Jamie McKinney, Senior Project Manager
(865)291-3000
Jamie.McKinney@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 140-23153-1
Project/Site: Jimmy's Dry Cleaners

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Job ID: 140-23153-1

Laboratory: Eurofins TestAmerica, Knoxville

Narrative

Job Narrative
140-23153-1

Comments
No additional comments.

Receipt
The samples were received on 5/18/2021 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air - GC/MS VOA
Methods TO 15 LL, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Methods TO 15 LL, TO-15: The continuing calibration verification (CCV) associated with batch 140-50181 exhibited % difference of > 30% for the following analyte(s) 1,2-Dichloro-1,1,2,2-tetrafluoroethane, 1,4-Dioxane, 2-Butanone (MEK), 3-Chloro-1-propene, Acetone, Acetonitrile, Bromoform and Ethyl ether; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

Methods TO 15 LL, TO-15: The continuing calibration verification (CCV) associated with batch 140-50181 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Methods TO 15 LL, TO-15: The laboratory control sample (LCS) for analytical batch 140-50181 recovered outside control limits for the following analyte: Hexachlorobutadiene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Client Sample ID: SUM-1 — Lab Sample ID: 140-23153-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.13		0.080		ppb v/v	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	0.31		0.080		ppb v/v	1		TO 15 LL	Total/NA
2-Butanone	1.2		0.32		ppb v/v	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (MIBK)	0.63		0.20		ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.69		0.080		ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.073		0.032		ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.73		0.20		ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.24		0.080		ppb v/v	1		TO 15 LL	Total/NA
Ethanol	180	E	2.0		ppb v/v	1		TO 15 LL	Total/NA
Hexane	0.41		0.20		ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.27		0.080		ppb v/v	1		TO 15 LL	Total/NA
t-Butyl alcohol	1.6		0.32		ppb v/v	1		TO 15 LL	Total/NA
Toluene	1.2		0.12		ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.23		0.080		ppb v/v	1		TO 15 LL	Total/NA
Ethanol - DL	170	D	20		ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.63		0.39		ug/m3	1		TO 15 LL	Total/NA
1,3-Dichlorobenzene	1.9		0.48		ug/m3	1		TO 15 LL	Total/NA
2-Butanone	3.5		0.94		ug/m3	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (MIBK)	2.6		0.82		ug/m3	1		TO 15 LL	Total/NA
Benzene	2.2		0.26		ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.46		0.20		ug/m3	1		TO 15 LL	Total/NA
Chloromethane	1.5		0.41		ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.2		0.40		ug/m3	1		TO 15 LL	Total/NA
Ethanol	340	E	3.8		ug/m3	1		TO 15 LL	Total/NA
Hexane	1.4		0.70		ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	1.2		0.35		ug/m3	1		TO 15 LL	Total/NA
t-Butyl alcohol	4.8		0.97		ug/m3	1		TO 15 LL	Total/NA
Toluene	4.4		0.45		ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.3		0.45		ug/m3	1		TO 15 LL	Total/NA
Ethanol - DL	320	D	38		ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: SUM-2 — Lab Sample ID: 140-23153-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethanol	360		20		ppb v/v	1		TO 15 LL	Total/NA
Toluene	1.2		1.2		ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethanol	670		38		ug/m3	1		TO 15 LL	Total/NA
Toluene	4.5		4.5		ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: SUM-3 — Lab Sample ID: 140-23153-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	1.4		0.80		ppb v/v	1		TO 15 LL	Total/NA
2-Butanone	5.0		3.2		ppb v/v	1		TO 15 LL	Total/NA
Ethanol	180		20		ppb v/v	1		TO 15 LL	Total/NA
t-Butyl alcohol	4.2		3.2		ppb v/v	1		TO 15 LL	Total/NA
Toluene	2.7		1.2		ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	8.5		4.8		ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Knoxville

Client Sample ID: SUM-3 (Continued)

Lab Sample ID: 140-23153-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	15		9.4		ug/m3	1		TO 15 LL	Total/NA
Ethanol	330		38		ug/m3	1		TO 15 LL	Total/NA
t-Butyl alcohol	13		9.7		ug/m3	1		TO 15 LL	Total/NA
Toluene	10		4.5		ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Client Sample ID: SUM-1
Date Collected: 05/17/21 09:30
Date Received: 05/18/21 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 140-23153-1
Matrix: Air

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			05/26/21 12:05	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			05/26/21 12:05	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			05/26/21 12:05	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			05/26/21 12:05	1
1,1-Dichloroethane	ND		0.080		ppb v/v			05/26/21 12:05	1
1,1-Dichloroethene	ND		0.040		ppb v/v			05/26/21 12:05	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			05/26/21 12:05	1
1,2,4-Trimethylbenzene	**0.13**		0.080		ppb v/v			05/26/21 12:05	1
1,2-Dibromoethane	ND		0.080		ppb v/v			05/26/21 12:05	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			05/26/21 12:05	1
1,2-Dichloroethane	ND		0.080		ppb v/v			05/26/21 12:05	1
1,2-Dichloropropane	ND		0.080		ppb v/v			05/26/21 12:05	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			05/26/21 12:05	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			05/26/21 12:05	1
1,3-Dichlorobenzene	**0.31**		0.080		ppb v/v			05/26/21 12:05	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			05/26/21 12:05	1
1,4-Dioxane	ND		0.20		ppb v/v			05/26/21 12:05	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			05/26/21 12:05	1
2-Butanone	**1.2**		0.32		ppb v/v			05/26/21 12:05	1
4-Methyl-2-pentanone (MIBK)	**0.63**		0.20		ppb v/v			05/26/21 12:05	1
Benzene	**0.69**		0.080		ppb v/v			05/26/21 12:05	1
Benzyl chloride	ND		0.16		ppb v/v			05/26/21 12:05	1
Bromodichloromethane	ND		0.080		ppb v/v			05/26/21 12:05	1
Bromoform	ND		0.080		ppb v/v			05/26/21 12:05	1
Bromomethane	ND		0.080		ppb v/v			05/26/21 12:05	1
Carbon tetrachloride	**0.073**		0.032		ppb v/v			05/26/21 12:05	1
Chlorobenzene	ND		0.080		ppb v/v			05/26/21 12:05	1
Chloroethane	ND		0.080		ppb v/v			05/26/21 12:05	1
Chloroform	ND		0.080		ppb v/v			05/26/21 12:05	1
Chloromethane	**0.73**		0.20		ppb v/v			05/26/21 12:05	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			05/26/21 12:05	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			05/26/21 12:05	1
Cyclohexane	ND		0.20		ppb v/v			05/26/21 12:05	1
Dibromochloromethane	ND		0.080		ppb v/v			05/26/21 12:05	1
Dichlorodifluoromethane	**0.24**		0.080		ppb v/v			05/26/21 12:05	1
Ethanol	**180**	**E**	2.0		ppb v/v			05/26/21 12:05	1
Ethylbenzene	ND		0.080		ppb v/v			05/26/21 12:05	1
Hexachlorobutadiene	ND	*+	0.080		ppb v/v			05/26/21 12:05	1
Hexane	**0.41**		0.20		ppb v/v			05/26/21 12:05	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			05/26/21 12:05	1
Methylene Chloride	ND		0.40		ppb v/v			05/26/21 12:05	1
m-Xylene & p-Xylene	**0.27**		0.080		ppb v/v			05/26/21 12:05	1
Naphthalene	ND		0.20		ppb v/v			05/26/21 12:05	1
o-Xylene	ND		0.080		ppb v/v			05/26/21 12:05	1
Styrene	ND		0.080		ppb v/v			05/26/21 12:05	1
t-Butyl alcohol	**1.6**		0.32		ppb v/v			05/26/21 12:05	1
Tetrachloroethene	ND		0.080		ppb v/v			05/26/21 12:05	1
Toluene	**1.2**		0.12		ppb v/v			05/26/21 12:05	1

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Client Sample ID: SUM-1
Date Collected: 05/17/21 09:30
Date Received: 05/18/21 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 140-23153-1
Matrix: Air

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			05/26/21 12:05	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			05/26/21 12:05	1
Trichloroethene	ND		0.036		ppb v/v			05/26/21 12:05	1
Trichlorofluoromethane	**0.23**		0.080		ppb v/v			05/26/21 12:05	1
Vinyl chloride	ND		0.040		ppb v/v			05/26/21 12:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			05/26/21 12:05	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			05/26/21 12:05	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			05/26/21 12:05	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			05/26/21 12:05	1
1,1-Dichloroethane	ND		0.32		ug/m3			05/26/21 12:05	1
1,1-Dichloroethene	ND		0.16		ug/m3			05/26/21 12:05	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			05/26/21 12:05	1
1,2,4-Trimethylbenzene	**0.63**		0.39		ug/m3			05/26/21 12:05	1
1,2-Dibromoethane	ND		0.61		ug/m3			05/26/21 12:05	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			05/26/21 12:05	1
1,2-Dichloroethane	ND		0.32		ug/m3			05/26/21 12:05	1
1,2-Dichloropropane	ND		0.37		ug/m3			05/26/21 12:05	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			05/26/21 12:05	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			05/26/21 12:05	1
1,3-Dichlorobenzene	**1.9**		0.48		ug/m3			05/26/21 12:05	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			05/26/21 12:05	1
1,4-Dioxane	ND		0.72		ug/m3			05/26/21 12:05	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			05/26/21 12:05	1
2-Butanone	**3.5**		0.94		ug/m3			05/26/21 12:05	1
4-Methyl-2-pentanone (MIBK)	**2.6**		0.82		ug/m3			05/26/21 12:05	1
Benzene	**2.2**		0.26		ug/m3			05/26/21 12:05	1
Benzyl chloride	ND		0.83		ug/m3			05/26/21 12:05	1
Bromodichloromethane	ND		0.54		ug/m3			05/26/21 12:05	1
Bromoform	ND		0.83		ug/m3			05/26/21 12:05	1
Bromomethane	ND		0.31		ug/m3			05/26/21 12:05	1
Carbon tetrachloride	**0.46**		0.20		ug/m3			05/26/21 12:05	1
Chlorobenzene	ND		0.37		ug/m3			05/26/21 12:05	1
Chloroethane	ND		0.21		ug/m3			05/26/21 12:05	1
Chloroform	ND		0.39		ug/m3			05/26/21 12:05	1
Chloromethane	**1.5**		0.41		ug/m3			05/26/21 12:05	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			05/26/21 12:05	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			05/26/21 12:05	1
Cyclohexane	ND		0.69		ug/m3			05/26/21 12:05	1
Dibromochloromethane	ND		0.68		ug/m3			05/26/21 12:05	1
Dichlorodifluoromethane	**1.2**		0.40		ug/m3			05/26/21 12:05	1
Ethanol	**340**	**E**	3.8		ug/m3			05/26/21 12:05	1
Ethylbenzene	ND		0.35		ug/m3			05/26/21 12:05	1
Hexachlorobutadiene	ND	*+	0.85		ug/m3			05/26/21 12:05	1
Hexane	**1.4**		0.70		ug/m3			05/26/21 12:05	1
Methyl tert-butyl ether	ND		0.58		ug/m3			05/26/21 12:05	1
Methylene Chloride	ND		1.4		ug/m3			05/26/21 12:05	1
m-Xylene & p-Xylene	**1.2**		0.35		ug/m3			05/26/21 12:05	1

Client Sample ID: SUM-1

Lab Sample ID: 140-23153-1

Date Collected: 05/17/21 09:30
Matrix: Air
Date Received: 05/18/21 10:20
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			05/26/21 12:05	1
o-Xylene	ND		0.35		ug/m3			05/26/21 12:05	1
Styrene	ND		0.34		ug/m3			05/26/21 12:05	1
t-Butyl alcohol	**4.8**		0.97		ug/m3			05/26/21 12:05	1
Tetrachloroethene	ND		0.54		ug/m3			05/26/21 12:05	1
Toluene	**4.4**		0.45		ug/m3			05/26/21 12:05	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			05/26/21 12:05	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			05/26/21 12:05	1
Trichloroethene	ND		0.19		ug/m3			05/26/21 12:05	1
Trichlorofluoromethane	**1.3**		0.45		ug/m3			05/26/21 12:05	1
Vinyl chloride	ND		0.10		ug/m3			05/26/21 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 140*		*05/26/21 12:05*	*1*

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**170**	**D**	20		ppb v/v			05/27/21 02:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**320**	**D**	38		ug/m3			05/27/21 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 140*		*05/27/21 02:40*	*1*

Client Sample ID: SUM-2

Lab Sample ID: 140-23153-2

Date Collected: 05/17/21 09:30
Matrix: Air
Date Received: 05/18/21 10:20
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			05/26/21 15:02	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			05/26/21 15:02	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			05/26/21 15:02	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			05/26/21 15:02	1
1,1-Dichloroethane	ND		0.80		ppb v/v			05/26/21 15:02	1
1,1-Dichloroethene	ND		0.40		ppb v/v			05/26/21 15:02	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			05/26/21 15:02	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			05/26/21 15:02	1
1,2-Dibromoethane	ND		0.80		ppb v/v			05/26/21 15:02	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			05/26/21 15:02	1
1,2-Dichloroethane	ND		0.80		ppb v/v			05/26/21 15:02	1
1,2-Dichloropropane	ND		0.80		ppb v/v			05/26/21 15:02	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			05/26/21 15:02	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			05/26/21 15:02	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			05/26/21 15:02	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			05/26/21 15:02	1
1,4-Dioxane	ND		2.0		ppb v/v			05/26/21 15:02	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			05/26/21 15:02	1

Client Sample ID: SUM-2

Date Collected: 05/17/21 09:30
Date Received: 05/18/21 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 140-23153-2

Matrix: Air

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		3.2		ppb v/v			05/26/21 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			05/26/21 15:02	1
Benzene	ND		0.80		ppb v/v			05/26/21 15:02	1
Benzyl chloride	ND		1.6		ppb v/v			05/26/21 15:02	1
Bromodichloromethane	ND		0.80		ppb v/v			05/26/21 15:02	1
Bromoform	ND		0.80		ppb v/v			05/26/21 15:02	1
Bromomethane	ND		0.80		ppb v/v			05/26/21 15:02	1
Carbon tetrachloride	ND		0.32		ppb v/v			05/26/21 15:02	1
Chlorobenzene	ND		0.80		ppb v/v			05/26/21 15:02	1
Chloroethane	ND		0.80		ppb v/v			05/26/21 15:02	1
Chloroform	ND		0.80		ppb v/v			05/26/21 15:02	1
Chloromethane	ND		2.0		ppb v/v			05/26/21 15:02	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			05/26/21 15:02	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			05/26/21 15:02	1
Cyclohexane	ND		2.0		ppb v/v			05/26/21 15:02	1
Dibromochloromethane	ND		0.80		ppb v/v			05/26/21 15:02	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			05/26/21 15:02	1
Ethanol	**360**		20		ppb v/v			05/26/21 15:02	1
Ethylbenzene	ND		0.80		ppb v/v			05/26/21 15:02	1
Hexachlorobutadiene	ND	*+	0.80		ppb v/v			05/26/21 15:02	1
Hexane	ND		2.0		ppb v/v			05/26/21 15:02	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			05/26/21 15:02	1
Methylene Chloride	ND		4.0		ppb v/v			05/26/21 15:02	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			05/26/21 15:02	1
Naphthalene	ND		2.0		ppb v/v			05/26/21 15:02	1
o-Xylene	ND		0.80		ppb v/v			05/26/21 15:02	1
Styrene	ND		0.80		ppb v/v			05/26/21 15:02	1
t-Butyl alcohol	ND		3.2		ppb v/v			05/26/21 15:02	1
Tetrachloroethene	ND		0.80		ppb v/v			05/26/21 15:02	1
Toluene	**1.2**		1.2		ppb v/v			05/26/21 15:02	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			05/26/21 15:02	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			05/26/21 15:02	1
Trichloroethene	ND		0.36		ppb v/v			05/26/21 15:02	1
Trichlorofluoromethane	ND		0.80		ppb v/v			05/26/21 15:02	1
Vinyl chloride	ND		0.40		ppb v/v			05/26/21 15:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			05/26/21 15:02	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			05/26/21 15:02	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			05/26/21 15:02	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			05/26/21 15:02	1
1,1-Dichloroethane	ND		3.2		ug/m3			05/26/21 15:02	1
1,1-Dichloroethene	ND		1.6		ug/m3			05/26/21 15:02	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			05/26/21 15:02	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			05/26/21 15:02	1
1,2-Dibromoethane	ND		6.1		ug/m3			05/26/21 15:02	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			05/26/21 15:02	1
1,2-Dichloroethane	ND		3.2		ug/m3			05/26/21 15:02	1
1,2-Dichloropropane	ND		3.7		ug/m3			05/26/21 15:02	1

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Client Sample ID: SUM-2
Date Collected: 05/17/21 09:30
Date Received: 05/18/21 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 140-23153-2
Matrix: Air

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			05/26/21 15:02	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			05/26/21 15:02	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			05/26/21 15:02	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			05/26/21 15:02	1
1,4-Dioxane	ND		7.2		ug/m3			05/26/21 15:02	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			05/26/21 15:02	1
2-Butanone	ND		9.4		ug/m3			05/26/21 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			05/26/21 15:02	1
Benzene	ND		2.6		ug/m3			05/26/21 15:02	1
Benzyl chloride	ND		8.3		ug/m3			05/26/21 15:02	1
Bromodichloromethane	ND		5.4		ug/m3			05/26/21 15:02	1
Bromoform	ND		8.3		ug/m3			05/26/21 15:02	1
Bromomethane	ND		3.1		ug/m3			05/26/21 15:02	1
Carbon tetrachloride	ND		2.0		ug/m3			05/26/21 15:02	1
Chlorobenzene	ND		3.7		ug/m3			05/26/21 15:02	1
Chloroethane	ND		2.1		ug/m3			05/26/21 15:02	1
Chloroform	ND		3.9		ug/m3			05/26/21 15:02	1
Chloromethane	ND		4.1		ug/m3			05/26/21 15:02	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			05/26/21 15:02	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			05/26/21 15:02	1
Cyclohexane	ND		6.9		ug/m3			05/26/21 15:02	1
Dibromochloromethane	ND		6.8		ug/m3			05/26/21 15:02	1
Dichlorodifluoromethane	ND		4.0		ug/m3			05/26/21 15:02	1
Ethanol	**670**		38		ug/m3			05/26/21 15:02	1
Ethylbenzene	ND		3.5		ug/m3			05/26/21 15:02	1
Hexachlorobutadiene	ND	*+	8.5		ug/m3			05/26/21 15:02	1
Hexane	ND		7.0		ug/m3			05/26/21 15:02	1
Methyl tert-butyl ether	ND		5.8		ug/m3			05/26/21 15:02	1
Methylene Chloride	ND		14		ug/m3			05/26/21 15:02	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			05/26/21 15:02	1
Naphthalene	ND		10		ug/m3			05/26/21 15:02	1
o-Xylene	ND		3.5		ug/m3			05/26/21 15:02	1
Styrene	ND		3.4		ug/m3			05/26/21 15:02	1
t-Butyl alcohol	ND		9.7		ug/m3			05/26/21 15:02	1
Tetrachloroethene	ND		5.4		ug/m3			05/26/21 15:02	1
Toluene	**4.5**		4.5		ug/m3			05/26/21 15:02	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			05/26/21 15:02	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			05/26/21 15:02	1
Trichloroethene	ND		1.9		ug/m3			05/26/21 15:02	1
Trichlorofluoromethane	ND		4.5		ug/m3			05/26/21 15:02	1
Vinyl chloride	ND		1.0		ug/m3			05/26/21 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 140*		*05/26/21 15:02*	*1*

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Client Sample ID: SUM-3
Date Collected: 05/17/21 10:00
Date Received: 05/18/21 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 140-23153-3
Matrix: Air

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			05/26/21 15:47	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			05/26/21 15:47	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			05/26/21 15:47	1
1,1,2-Trichlorotrifluoroethane	ND		0.80		ppb v/v			05/26/21 15:47	1
1,1-Dichloroethane	ND		0.80		ppb v/v			05/26/21 15:47	1
1,1-Dichloroethene	ND		0.40		ppb v/v			05/26/21 15:47	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			05/26/21 15:47	1
1,2,4-Trimethylbenzene	ND		0.80		ppb v/v			05/26/21 15:47	1
1,2-Dibromoethane	ND		0.80		ppb v/v			05/26/21 15:47	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			05/26/21 15:47	1
1,2-Dichloroethane	ND		0.80		ppb v/v			05/26/21 15:47	1
1,2-Dichloropropane	ND		0.80		ppb v/v			05/26/21 15:47	1
1,2-Dichlorotetrafluoroethane	ND		0.80		ppb v/v			05/26/21 15:47	1
1,3,5-Trimethylbenzene	ND		0.80		ppb v/v			05/26/21 15:47	1
1,3-Dichlorobenzene	**1.4**		0.80		ppb v/v			05/26/21 15:47	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			05/26/21 15:47	1
1,4-Dioxane	ND		2.0		ppb v/v			05/26/21 15:47	1
2,2,4-Trimethylpentane	ND		2.0		ppb v/v			05/26/21 15:47	1
2-Butanone	**5.0**		3.2		ppb v/v			05/26/21 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			05/26/21 15:47	1
Benzene	ND		0.80		ppb v/v			05/26/21 15:47	1
Benzyl chloride	ND		1.6		ppb v/v			05/26/21 15:47	1
Bromodichloromethane	ND		0.80		ppb v/v			05/26/21 15:47	1
Bromoform	ND		0.80		ppb v/v			05/26/21 15:47	1
Bromomethane	ND		0.80		ppb v/v			05/26/21 15:47	1
Carbon tetrachloride	ND		0.32		ppb v/v			05/26/21 15:47	1
Chlorobenzene	ND		0.80		ppb v/v			05/26/21 15:47	1
Chloroethane	ND		0.80		ppb v/v			05/26/21 15:47	1
Chloroform	ND		0.80		ppb v/v			05/26/21 15:47	1
Chloromethane	ND		2.0		ppb v/v			05/26/21 15:47	1
cis-1,2-Dichloroethene	ND		0.40		ppb v/v			05/26/21 15:47	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			05/26/21 15:47	1
Cyclohexane	ND		2.0		ppb v/v			05/26/21 15:47	1
Dibromochloromethane	ND		0.80		ppb v/v			05/26/21 15:47	1
Dichlorodifluoromethane	ND		0.80		ppb v/v			05/26/21 15:47	1
Ethanol	**180**		20		ppb v/v			05/26/21 15:47	1
Ethylbenzene	ND		0.80		ppb v/v			05/26/21 15:47	1
Hexachlorobutadiene	ND	*+	0.80		ppb v/v			05/26/21 15:47	1
Hexane	ND		2.0		ppb v/v			05/26/21 15:47	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			05/26/21 15:47	1
Methylene Chloride	ND		4.0		ppb v/v			05/26/21 15:47	1
m-Xylene & p-Xylene	ND		0.80		ppb v/v			05/26/21 15:47	1
Naphthalene	ND		2.0		ppb v/v			05/26/21 15:47	1
o-Xylene	ND		0.80		ppb v/v			05/26/21 15:47	1
Styrene	ND		0.80		ppb v/v			05/26/21 15:47	1
t-Butyl alcohol	**4.2**		3.2		ppb v/v			05/26/21 15:47	1
Tetrachloroethene	ND		0.80		ppb v/v			05/26/21 15:47	1
Toluene	**2.7**		1.2		ppb v/v			05/26/21 15:47	1

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Client Sample ID: SUM-3
Date Collected: 05/17/21 10:00
Date Received: 05/18/21 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 140-23153-3
Matrix: Air

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			05/26/21 15:47	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			05/26/21 15:47	1
Trichloroethene	ND		0.36		ppb v/v			05/26/21 15:47	1
Trichlorofluoromethane	ND		0.80		ppb v/v			05/26/21 15:47	1
Vinyl chloride	ND		0.40		ppb v/v			05/26/21 15:47	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			05/26/21 15:47	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			05/26/21 15:47	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			05/26/21 15:47	1
1,1,2-Trichlorotrifluoroethane	ND		6.1		ug/m3			05/26/21 15:47	1
1,1-Dichloroethane	ND		3.2		ug/m3			05/26/21 15:47	1
1,1-Dichloroethene	ND		1.6		ug/m3			05/26/21 15:47	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			05/26/21 15:47	1
1,2,4-Trimethylbenzene	ND		3.9		ug/m3			05/26/21 15:47	1
1,2-Dibromoethane	ND		6.1		ug/m3			05/26/21 15:47	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			05/26/21 15:47	1
1,2-Dichloroethane	ND		3.2		ug/m3			05/26/21 15:47	1
1,2-Dichloropropane	ND		3.7		ug/m3			05/26/21 15:47	1
1,2-Dichlorotetrafluoroethane	ND		5.6		ug/m3			05/26/21 15:47	1
1,3,5-Trimethylbenzene	ND		3.9		ug/m3			05/26/21 15:47	1
1,3-Dichlorobenzene	**8.5**		4.8		ug/m3			05/26/21 15:47	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			05/26/21 15:47	1
1,4-Dioxane	ND		7.2		ug/m3			05/26/21 15:47	1
2,2,4-Trimethylpentane	ND		9.3		ug/m3			05/26/21 15:47	1
2-Butanone	**15**		9.4		ug/m3			05/26/21 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			05/26/21 15:47	1
Benzene	ND		2.6		ug/m3			05/26/21 15:47	1
Benzyl chloride	ND		8.3		ug/m3			05/26/21 15:47	1
Bromodichloromethane	ND		5.4		ug/m3			05/26/21 15:47	1
Bromoform	ND		8.3		ug/m3			05/26/21 15:47	1
Bromomethane	ND		3.1		ug/m3			05/26/21 15:47	1
Carbon tetrachloride	ND		2.0		ug/m3			05/26/21 15:47	1
Chlorobenzene	ND		3.7		ug/m3			05/26/21 15:47	1
Chloroethane	ND		2.1		ug/m3			05/26/21 15:47	1
Chloroform	ND		3.9		ug/m3			05/26/21 15:47	1
Chloromethane	ND		4.1		ug/m3			05/26/21 15:47	1
cis-1,2-Dichloroethene	ND		1.6		ug/m3			05/26/21 15:47	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			05/26/21 15:47	1
Cyclohexane	ND		6.9		ug/m3			05/26/21 15:47	1
Dibromochloromethane	ND		6.8		ug/m3			05/26/21 15:47	1
Dichlorodifluoromethane	ND		4.0		ug/m3			05/26/21 15:47	1
Ethanol	**330**		38		ug/m3			05/26/21 15:47	1
Ethylbenzene	ND		3.5		ug/m3			05/26/21 15:47	1
Hexachlorobutadiene	ND	*+	8.5		ug/m3			05/26/21 15:47	1
Hexane	ND		7.0		ug/m3			05/26/21 15:47	1
Methyl tert-butyl ether	ND		5.8		ug/m3			05/26/21 15:47	1
Methylene Chloride	ND		14		ug/m3			05/26/21 15:47	1
m-Xylene & p-Xylene	ND		3.5		ug/m3			05/26/21 15:47	1

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Client Sample ID: SUM-3
Date Collected: 05/17/21 10:00
Date Received: 05/18/21 10:20
Sample Container: Summa Canister 6L

Lab Sample ID: 140-23153-3
Matrix: Air

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/m3			05/26/21 15:47	1
o-Xylene	ND		3.5		ug/m3			05/26/21 15:47	1
Styrene	ND		3.4		ug/m3			05/26/21 15:47	1
t-Butyl alcohol	**13**		9.7		ug/m3			05/26/21 15:47	1
Tetrachloroethene	ND		5.4		ug/m3			05/26/21 15:47	1
Toluene	**10**		4.5		ug/m3			05/26/21 15:47	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			05/26/21 15:47	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			05/26/21 15:47	1
Trichloroethene	ND		1.9		ug/m3			05/26/21 15:47	1
Trichlorofluoromethane	ND		4.5		ug/m3			05/26/21 15:47	1
Vinyl chloride	ND		1.0		ug/m3			05/26/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 140*		*05/26/21 15:47*	*1*

Default Detection Limits

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	0.080	0.037	ppb v/v
1,1,1-Trichloroethane	0.44	0.20	ug/m3
1,1,2,2-Tetrachloroethane	0.080	0.014	ppb v/v
1,1,2,2-Tetrachloroethane	0.55	0.096	ug/m3
1,1,2-Trichloroethane	0.080	0.0070	ppb v/v
1,1,2-Trichloroethane	0.44	0.038	ug/m3
1,1,2-Trichlorotrifluoroethane	0.080	0.0080	ppb v/v
1,1,2-Trichlorotrifluoroethane	0.61	0.061	ug/m3
1,1-Dichloroethane	0.080	0.0070	ppb v/v
1,1-Dichloroethane	0.32	0.028	ug/m3
1,1-Dichloroethene	0.040	0.0080	ppb v/v
1,1-Dichloroethene	0.16	0.032	ug/m3
1,2,4-Trichlorobenzene	0.080	0.064	ppb v/v
1,2,4-Trichlorobenzene	0.59	0.47	ug/m3
1,2,4-Trimethylbenzene	0.080	0.020	ppb v/v
1,2,4-Trimethylbenzene	0.39	0.098	ug/m3
1,2-Dibromoethane	0.080	0.0070	ppb v/v
1,2-Dibromoethane	0.61	0.054	ug/m3
1,2-Dichlorobenzene	0.080	0.031	ppb v/v
1,2-Dichlorobenzene	0.48	0.19	ug/m3
1,2-Dichloroethane	0.080	0.010	ppb v/v
1,2-Dichloroethane	0.32	0.040	ug/m3
1,2-Dichloropropane	0.080	0.010	ppb v/v
1,2-Dichloropropane	0.37	0.046	ug/m3
1,2-Dichlorotetrafluoroethane	0.080	0.012	ppb v/v
1,2-Dichlorotetrafluoroethane	0.56	0.084	ug/m3
1,3,5-Trimethylbenzene	0.080	0.022	ppb v/v
1,3,5-Trimethylbenzene	0.39	0.11	ug/m3
1,3-Dichlorobenzene	0.080	0.016	ppb v/v
1,3-Dichlorobenzene	0.48	0.096	ug/m3
1,4-Dichlorobenzene	0.080	0.016	ppb v/v
1,4-Dichlorobenzene	0.48	0.096	ug/m3
1,4-Dioxane	0.20	0.030	ppb v/v
1,4-Dioxane	0.72	0.11	ug/m3
2,2,4-Trimethylpentane	0.20	0.0080	ppb v/v
2,2,4-Trimethylpentane	0.93	0.037	ug/m3
2-Butanone	0.32	0.073	ppb v/v
2-Butanone	0.94	0.22	ug/m3
4-Methyl-2-pentanone (MIBK)	0.20	0.054	ppb v/v
4-Methyl-2-pentanone (MIBK)	0.82	0.22	ug/m3
Benzene	0.080	0.0080	ppb v/v
Benzene	0.26	0.026	ug/m3
Benzyl chloride	0.16	0.038	ppb v/v
Benzyl chloride	0.83	0.20	ug/m3
Bromodichloromethane	0.080	0.018	ppb v/v
Bromodichloromethane	0.54	0.12	ug/m3
Bromoform	0.080	0.0090	ppb v/v
Bromoform	0.83	0.093	ug/m3
Bromomethane	0.080	0.022	ppb v/v
Bromomethane	0.31	0.085	ug/m3
Carbon tetrachloride	0.032	0.0070	ppb v/v
Carbon tetrachloride	0.20	0.044	ug/m3
Chlorobenzene	0.080	0.0060	ppb v/v

Default Detection Limits

Client: New York State D.E.C.
Job ID: 140-23153-1
Project/Site: Jimmy's Dry Cleaners

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Conti

Analyte	RL	MDL	Units
Chlorobenzene	0.37	0.028	ug/m3
Chloroethane	0.080	0.029	ppb v/v
Chloroethane	0.21	0.077	ug/m3
Chloroform	0.080	0.0070	ppb v/v
Chloroform	0.39	0.034	ug/m3
Chloromethane	0.20	0.066	ppb v/v
Chloromethane	0.41	0.14	ug/m3
cis-1,2-Dichloroethene	0.040	0.010	ppb v/v
cis-1,2-Dichloroethene	0.16	0.040	ug/m3
cis-1,3-Dichloropropene	0.080	0.016	ppb v/v
cis-1,3-Dichloropropene	0.36	0.073	ug/m3
Cyclohexane	0.20	0.023	ppb v/v
Cyclohexane	0.69	0.079	ug/m3
Dibromochloromethane	0.080	0.0070	ppb v/v
Dibromochloromethane	0.68	0.060	ug/m3
Dichlorodifluoromethane	0.080	0.014	ppb v/v
Dichlorodifluoromethane	0.40	0.069	ug/m3
Ethanol	2.0	0.87	ppb v/v
Ethanol	3.8	1.6	ug/m3
Ethylbenzene	0.080	0.013	ppb v/v
Ethylbenzene	0.35	0.056	ug/m3
Hexachlorobutadiene	0.080	0.032	ppb v/v
Hexachlorobutadiene	0.85	0.34	ug/m3
Hexane	0.20	0.013	ppb v/v
Hexane	0.70	0.046	ug/m3
Methyl tert-butyl ether	0.16	0.052	ppb v/v
Methyl tert-butyl ether	0.58	0.19	ug/m3
Methylene Chloride	0.40	0.39	ppb v/v
Methylene Chloride	1.4	1.4	ug/m3
m-Xylene & p-Xylene	0.080	0.029	ppb v/v
m-Xylene & p-Xylene	0.35	0.13	ug/m3
Naphthalene	0.20	0.076	ppb v/v
Naphthalene	1.0	0.40	ug/m3
o-Xylene	0.080	0.015	ppb v/v
o-Xylene	0.35	0.065	ug/m3
Styrene	0.080	0.024	ppb v/v
Styrene	0.34	0.10	ug/m3
t-Butyl alcohol	0.32	0.033	ppb v/v
t-Butyl alcohol	0.97	0.10	ug/m3
Tetrachloroethene	0.080	0.0070	ppb v/v
Tetrachloroethene	0.54	0.047	ug/m3
Toluene	0.12	0.078	ppb v/v
Toluene	0.45	0.29	ug/m3
trans-1,2-Dichloroethene	0.080	0.0070	ppb v/v
trans-1,2-Dichloroethene	0.32	0.028	ug/m3
trans-1,3-Dichloropropene	0.080	0.0090	ppb v/v
trans-1,3-Dichloropropene	0.36	0.041	ug/m3
Trichloroethene	0.036	0.013	ppb v/v
Trichloroethene	0.19	0.070	ug/m3
Trichlorofluoromethane	0.080	0.011	ppb v/v
Trichlorofluoromethane	0.45	0.062	ug/m3
Vinyl chloride	0.040	0.026	ppb v/v
Vinyl chloride	0.10	0.066	ug/m3

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)						
		BFB						
Lab Sample ID	Client Sample ID	(60-140)						
140-23153-1 - DL	SUM-1	89						
140-23153-1	SUM-1	89						
140-23153-2	SUM-2	89						
140-23153-3	SUM-3	88						
LCS 140-50181/1002	Lab Control Sample	92						
MB 140-50181/5	Method Blank	88						

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 140-50181/5
Matrix: Air
Analysis Batch: 50181

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			05/26/21 11:09	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			05/26/21 11:09	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			05/26/21 11:09	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			05/26/21 11:09	1
1,1-Dichloroethane	ND		0.080		ppb v/v			05/26/21 11:09	1
1,1-Dichloroethene	ND		0.040		ppb v/v			05/26/21 11:09	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			05/26/21 11:09	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			05/26/21 11:09	1
1,2-Dibromoethane	ND		0.080		ppb v/v			05/26/21 11:09	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			05/26/21 11:09	1
1,2-Dichloroethane	ND		0.080		ppb v/v			05/26/21 11:09	1
1,2-Dichloropropane	ND		0.080		ppb v/v			05/26/21 11:09	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			05/26/21 11:09	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			05/26/21 11:09	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			05/26/21 11:09	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			05/26/21 11:09	1
1,4-Dioxane	ND		0.20		ppb v/v			05/26/21 11:09	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			05/26/21 11:09	1
2-Butanone	ND		0.32		ppb v/v			05/26/21 11:09	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			05/26/21 11:09	1
Benzene	ND		0.080		ppb v/v			05/26/21 11:09	1
Benzyl chloride	ND		0.16		ppb v/v			05/26/21 11:09	1
Bromodichloromethane	ND		0.080		ppb v/v			05/26/21 11:09	1
Bromoform	ND		0.080		ppb v/v			05/26/21 11:09	1
Bromomethane	ND		0.080		ppb v/v			05/26/21 11:09	1
Carbon tetrachloride	ND		0.032		ppb v/v			05/26/21 11:09	1
Chlorobenzene	ND		0.080		ppb v/v			05/26/21 11:09	1
Chloroethane	ND		0.080		ppb v/v			05/26/21 11:09	1
Chloroform	ND		0.080		ppb v/v			05/26/21 11:09	1
Chloromethane	ND		0.20		ppb v/v			05/26/21 11:09	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			05/26/21 11:09	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			05/26/21 11:09	1
Cyclohexane	ND		0.20		ppb v/v			05/26/21 11:09	1
Dibromochloromethane	ND		0.080		ppb v/v			05/26/21 11:09	1
Dichlorodifluoromethane	ND		0.080		ppb v/v			05/26/21 11:09	1
Ethanol	ND		2.0		ppb v/v			05/26/21 11:09	1
Ethylbenzene	ND		0.080		ppb v/v			05/26/21 11:09	1
Hexachlorobutadiene	ND		0.080		ppb v/v			05/26/21 11:09	1
Hexane	ND		0.20		ppb v/v			05/26/21 11:09	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			05/26/21 11:09	1
Methylene Chloride	ND		0.40		ppb v/v			05/26/21 11:09	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			05/26/21 11:09	1
Naphthalene	ND		0.20		ppb v/v			05/26/21 11:09	1
o-Xylene	ND		0.080		ppb v/v			05/26/21 11:09	1
Styrene	ND		0.080		ppb v/v			05/26/21 11:09	1
t-Butyl alcohol	ND		0.32		ppb v/v			05/26/21 11:09	1
Tetrachloroethene	ND		0.080		ppb v/v			05/26/21 11:09	1
Toluene	ND		0.12		ppb v/v			05/26/21 11:09	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-50181/5
Matrix: Air
Analysis Batch: 50181

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			05/26/21 11:09	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			05/26/21 11:09	1
Trichloroethene	ND		0.036		ppb v/v			05/26/21 11:09	1
Trichlorofluoromethane	ND		0.080		ppb v/v			05/26/21 11:09	1
Vinyl chloride	ND		0.040		ppb v/v			05/26/21 11:09	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			05/26/21 11:09	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			05/26/21 11:09	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			05/26/21 11:09	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			05/26/21 11:09	1
1,1-Dichloroethane	ND		0.32		ug/m3			05/26/21 11:09	1
1,1-Dichloroethene	ND		0.16		ug/m3			05/26/21 11:09	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			05/26/21 11:09	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			05/26/21 11:09	1
1,2-Dibromoethane	ND		0.61		ug/m3			05/26/21 11:09	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			05/26/21 11:09	1
1,2-Dichloroethane	ND		0.32		ug/m3			05/26/21 11:09	1
1,2-Dichloropropane	ND		0.37		ug/m3			05/26/21 11:09	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			05/26/21 11:09	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			05/26/21 11:09	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			05/26/21 11:09	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			05/26/21 11:09	1
1,4-Dioxane	ND		0.72		ug/m3			05/26/21 11:09	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			05/26/21 11:09	1
2-Butanone	ND		0.94		ug/m3			05/26/21 11:09	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			05/26/21 11:09	1
Benzene	ND		0.26		ug/m3			05/26/21 11:09	1
Benzyl chloride	ND		0.83		ug/m3			05/26/21 11:09	1
Bromodichloromethane	ND		0.54		ug/m3			05/26/21 11:09	1
Bromoform	ND		0.83		ug/m3			05/26/21 11:09	1
Bromomethane	ND		0.31		ug/m3			05/26/21 11:09	1
Carbon tetrachloride	ND		0.20		ug/m3			05/26/21 11:09	1
Chlorobenzene	ND		0.37		ug/m3			05/26/21 11:09	1
Chloroethane	ND		0.21		ug/m3			05/26/21 11:09	1
Chloroform	ND		0.39		ug/m3			05/26/21 11:09	1
Chloromethane	ND		0.41		ug/m3			05/26/21 11:09	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			05/26/21 11:09	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			05/26/21 11:09	1
Cyclohexane	ND		0.69		ug/m3			05/26/21 11:09	1
Dibromochloromethane	ND		0.68		ug/m3			05/26/21 11:09	1
Dichlorodifluoromethane	ND		0.40		ug/m3			05/26/21 11:09	1
Ethanol	ND		3.8		ug/m3			05/26/21 11:09	1
Ethylbenzene	ND		0.35		ug/m3			05/26/21 11:09	1
Hexachlorobutadiene	ND		0.85		ug/m3			05/26/21 11:09	1
Hexane	ND		0.70		ug/m3			05/26/21 11:09	1
Methyl tert-butyl ether	ND		0.58		ug/m3			05/26/21 11:09	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-50181/5
Matrix: Air
Analysis Batch: 50181

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.4		ug/m3			05/26/21 11:09	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			05/26/21 11:09	1
Naphthalene	ND		1.0		ug/m3			05/26/21 11:09	1
o-Xylene	ND		0.35		ug/m3			05/26/21 11:09	1
Styrene	ND		0.34		ug/m3			05/26/21 11:09	1
t-Butyl alcohol	ND		0.97		ug/m3			05/26/21 11:09	1
Tetrachloroethene	ND		0.54		ug/m3			05/26/21 11:09	1
Toluene	ND		0.45		ug/m3			05/26/21 11:09	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			05/26/21 11:09	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			05/26/21 11:09	1
Trichloroethene	ND		0.19		ug/m3			05/26/21 11:09	1
Trichlorofluoromethane	ND		0.45		ug/m3			05/26/21 11:09	1
Vinyl chloride	ND		0.10		ug/m3			05/26/21 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 140*		*05/26/21 11:09*	*1*

Lab Sample ID: LCS 140-50181/1002
Matrix: Air
Analysis Batch: 50181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.00	1.55		ppb v/v		77	70 - 130
1,1,2,2-Tetrachloroethane	2.00	1.57		ppb v/v		79	70 - 130
1,1,2-Trichloroethane	2.00	1.57		ppb v/v		78	70 - 130
1,1,2-Trichlorotrifluoroethane	2.00	1.77		ppb v/v		88	70 - 130
1,1-Dichloroethane	2.00	1.56		ppb v/v		78	70 - 130
1,1-Dichloroethene	2.00	1.59		ppb v/v		79	70 - 130
1,2,4-Trichlorobenzene	2.00	2.14		ppb v/v		107	60 - 140
1,2,4-Trimethylbenzene	2.00	1.75		ppb v/v		87	70 - 130
1,2-Dibromoethane	2.00	1.75		ppb v/v		88	70 - 130
1,2-Dichlorobenzene	2.00	2.13		ppb v/v		106	70 - 130
1,2-Dichloroethane	2.00	1.61		ppb v/v		80	70 - 130
1,2-Dichloropropane	2.00	1.63		ppb v/v		81	70 - 130
1,2-Dichlorotetrafluoroethane	2.00	2.63		ppb v/v		132	60 - 140
1,3,5-Trimethylbenzene	2.00	1.71		ppb v/v		85	70 - 130
1,3-Dichlorobenzene	2.00	2.11		ppb v/v		106	70 - 130
1,4-Dichlorobenzene	2.00	2.10		ppb v/v		105	70 - 130
1,4-Dioxane	2.00	1.39		ppb v/v		69	60 - 140
2,2,4-Trimethylpentane	2.00	1.64		ppb v/v		82	70 - 130
2-Butanone	2.00	1.27		ppb v/v		64	60 - 140
4-Methyl-2-pentanone (MIBK)	2.00	1.46		ppb v/v		73	60 - 140
Benzene	2.00	1.51		ppb v/v		75	70 - 130
Benzyl chloride	2.00	1.77		ppb v/v		89	70 - 130
Bromodichloromethane	2.00	1.67		ppb v/v		83	70 - 130
Bromoform	2.00	2.71		ppb v/v		136	60 - 140
Bromomethane	2.00	2.19		ppb v/v		109	70 - 130

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-50181/1002
Matrix: Air
Analysis Batch: 50181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	2.00	2.03		ppb v/v		101	70 - 130
Chlorobenzene	2.00	1.85		ppb v/v		93	70 - 130
Chloroethane	2.00	2.20		ppb v/v		110	70 - 130
Chloroform	2.00	1.55		ppb v/v		77	70 - 130
Chloromethane	2.00	2.07		ppb v/v		104	60 - 140
cis-1,2-Dichloroethene	2.00	1.52		ppb v/v		76	70 - 130
cis-1,3-Dichloropropene	2.00	1.59		ppb v/v		79	70 - 130
Cyclohexane	2.00	1.46		ppb v/v		73	70 - 130
Dibromochloromethane	2.00	2.02		ppb v/v		101	70 - 130
Dichlorodifluoromethane	2.00	1.56		ppb v/v		78	60 - 140
Ethanol	10.0	8.45		ppb v/v		84	60 - 140
Ethylbenzene	2.00	1.54		ppb v/v		77	70 - 130
Hexachlorobutadiene	2.00	3.28	*+	ppb v/v		164	60 - 140
Hexane	2.00	1.53		ppb v/v		77	70 - 130
Methyl tert-butyl ether	2.00	1.57		ppb v/v		78	60 - 140
Methylene Chloride	2.00	1.60		ppb v/v		80	70 - 130
m-Xylene & p-Xylene	4.00	3.15		ppb v/v		79	70 - 130
Naphthalene	2.00	1.55		ppb v/v		77	60 - 140
o-Xylene	2.00	1.54		ppb v/v		77	70 - 130
Styrene	2.00	1.76		ppb v/v		88	70 - 130
t-Butyl alcohol	2.00	1.61		ppb v/v		81	60 - 140
Tetrachloroethene	2.00	1.76		ppb v/v		88	70 - 130
Toluene	2.00	1.56		ppb v/v		78	70 - 130
trans-1,2-Dichloroethene	2.00	1.51		ppb v/v		76	70 - 130
trans-1,3-Dichloropropene	2.00	1.57		ppb v/v		79	70 - 130
Trichloroethene	2.00	1.80		ppb v/v		90	70 - 130
Trichlorofluoromethane	2.00	1.77		ppb v/v		88	60 - 140
Vinyl chloride	2.00	2.23		ppb v/v		112	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	11	8.44		ug/m3		77	70 - 130
1,1,2,2-Tetrachloroethane	14	10.8		ug/m3		79	70 - 130
1,1,2-Trichloroethane	11	8.57		ug/m3		78	70 - 130
1,1,2-Trichlorotrifluoroethane	15	13.5		ug/m3		88	70 - 130
1,1-Dichloroethane	8.1	6.30		ug/m3		78	70 - 130
1,1-Dichloroethene	7.9	6.30		ug/m3		79	70 - 130
1,2,4-Trichlorobenzene	15	15.9		ug/m3		107	60 - 140
1,2,4-Trimethylbenzene	9.8	8.59		ug/m3		87	70 - 130
1,2-Dibromoethane	15	13.5		ug/m3		88	70 - 130
1,2-Dichlorobenzene	12	12.8		ug/m3		106	70 - 130
1,2-Dichloroethane	8.1	6.51		ug/m3		80	70 - 130
1,2-Dichloropropane	9.2	7.53		ug/m3		81	70 - 130
1,2-Dichlorotetrafluoroethane	14	18.4		ug/m3		132	60 - 140
1,3,5-Trimethylbenzene	9.8	8.41		ug/m3		85	70 - 130
1,3-Dichlorobenzene	12	12.7		ug/m3		106	70 - 130
1,4-Dichlorobenzene	12	12.6		ug/m3		105	70 - 130
1,4-Dioxane	7.2	5.00		ug/m3		69	60 - 140

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-50181/1002
Matrix: Air
Analysis Batch: 50181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2,4-Trimethylpentane	9.3	7.64		ug/m3		82	70 - 130
2-Butanone	5.9	3.76		ug/m3		64	60 - 140
4-Methyl-2-pentanone (MIBK)	8.2	5.97		ug/m3		73	60 - 140
Benzene	6.4	4.82		ug/m3		75	70 - 130
Benzyl chloride	10	9.18		ug/m3		89	70 - 130
Bromodichloromethane	13	11.2		ug/m3		83	70 - 130
Bromoform	21	28.0		ug/m3		136	60 - 140
Bromomethane	7.8	8.49		ug/m3		109	70 - 130
Carbon tetrachloride	13	12.8		ug/m3		101	70 - 130
Chlorobenzene	9.2	8.53		ug/m3		93	70 - 130
Chloroethane	5.3	5.80		ug/m3		110	70 - 130
Chloroform	9.8	7.55		ug/m3		77	70 - 130
Chloromethane	4.1	4.28		ug/m3		104	60 - 140
cis-1,2-Dichloroethene	7.9	6.01		ug/m3		76	70 - 130
cis-1,3-Dichloropropene	9.1	7.21		ug/m3		79	70 - 130
Cyclohexane	6.9	5.01		ug/m3		73	70 - 130
Dibromochloromethane	17	17.2		ug/m3		101	70 - 130
Dichlorodifluoromethane	9.9	7.71		ug/m3		78	60 - 140
Ethanol	19	15.9		ug/m3		84	60 - 140
Ethylbenzene	8.7	6.68		ug/m3		77	70 - 130
Hexachlorobutadiene	21	35.0	*+	ug/m3		164	60 - 140
Hexane	7.0	5.41		ug/m3		77	70 - 130
Methyl tert-butyl ether	7.2	5.65		ug/m3		78	60 - 140
Methylene Chloride	6.9	5.57		ug/m3		80	70 - 130
m-Xylene & p-Xylene	17	13.7		ug/m3		79	70 - 130
Naphthalene	10	8.11		ug/m3		77	60 - 140
o-Xylene	8.7	6.70		ug/m3		77	70 - 130
Styrene	8.5	7.52		ug/m3		88	70 - 130
t-Butyl alcohol	6.1	4.89		ug/m3		81	60 - 140
Tetrachloroethene	14	11.9		ug/m3		88	70 - 130
Toluene	7.5	5.88		ug/m3		78	70 - 130
trans-1,2-Dichloroethene	7.9	5.99		ug/m3		76	70 - 130
trans-1,3-Dichloropropene	9.1	7.14		ug/m3		79	70 - 130
Trichloroethene	11	9.67		ug/m3		90	70 - 130
Trichlorofluoromethane	11	9.94		ug/m3		88	60 - 140
Vinyl chloride	5.1	5.70		ug/m3		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*

QC Association Summary

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Air - GC/MS VOA

Analysis Batch: 50181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-23153-1	SUM-1	Total/NA	Air	TO 15 LL	
140-23153-1 - DL	SUM-1	Total/NA	Air	TO 15 LL	
140-23153-2	SUM-2	Total/NA	Air	TO 15 LL	
140-23153-3	SUM-3	Total/NA	Air	TO 15 LL	
MB 140-50181/5	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-50181/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Client Sample ID: SUM-1
Date Collected: 05/17/21 09:30
Date Received: 05/18/21 10:20

Lab Sample ID: 140-23153-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	50181	05/26/21 12:05	S1K	TAL KNX
	Instrument ID: MS									
Total/NA	Analysis	TO 15 LL	DL	1	50 mL	500 mL	50181	05/27/21 02:40	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: SUM-2
Date Collected: 05/17/21 09:30
Date Received: 05/18/21 10:20

Lab Sample ID: 140-23153-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	50 mL	500 mL	50181	05/26/21 15:02	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: SUM-3
Date Collected: 05/17/21 10:00
Date Received: 05/18/21 10:20

Lab Sample ID: 140-23153-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	50 mL	500 mL	50181	05/26/21 15:47	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 140-50181/5
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	50181	05/26/21 11:09	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 140-50181/1002
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	50181	05/26/21 08:42	S1K	TAL KNX
	Instrument ID: MS									

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Laboratory: Eurofins TestAmerica, Knoxville

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10781	03-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO 15 LL		Air	1,1,2-Trichlorotrifluoroethane
TO 15 LL		Air	1,2-Dichlorotetrafluoroethane
TO 15 LL		Air	1,3,5-Trimethylbenzene
TO 15 LL		Air	Dichlorodifluoromethane
TO 15 LL		Air	Ethanol
TO 15 LL		Air	o-Xylene
TO 15 LL		Air	Trichlorofluoromethane

Method Summary

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Method	Method Description	Protocol	Laboratory
TO 15 LL	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: New York State D.E.C.
Project/Site: Jimmy's Dry Cleaners

Job ID: 140-23153-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-23153-1	SUM-1	Air	05/17/21 09:30	05/18/21 10:20	Air Canister (6-Liter) #34001317
140-23153-2	SUM-2	Air	05/17/21 09:30	05/18/21 10:20	Air Canister (6-Liter) #34001501
140-23153-3	SUM-3	Air	05/17/21 10:00	05/18/21 10:20	Air Canister (6-Liter) #10259

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

Canister Samples Chain of Custody Record

140-23153 Chain of Custody

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	Client Project Manager: DAN WARREN	Samples Collected By: JOE MENNITI	COC No:
Company Name: TRC ENGINEERS	Phone:		____ of ____ COCs
Address: 1130 BROADWAY	Email: DWARREN@TRCCOMPANIES.COM		TALS Project #:
City/State/Zip: NY NY			For Lab Use Only:
Phone: 212 3247 832	Site Contact: JOE MENNITI		Walk-in Client:
FAX: 212 221 7990	Tel/Fax		Lab Sampling:
Project Name: SIEMENS . PORTFOLIO 3	Analysis Turnaround Time		Job / SDG No.:
Site/Location: SIMMS DRY CLEANER	Standard (Specific): X		(See below for Add'l Items)
P O #	Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 (Standard List)	TO15 LL PF (MOD)	TO15 LOW LEVEL	NYSDEC [redacted]	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
SVM-1	5/17/21	0800	5/17/21	0930	-30	-4	18442	6096	X													
SVM-2	5/17/21	0815	5/17/21	0930	-29	-2	12127	C8357	X													
SVM-3	5/17/21	0830	5/17/21	1000	-30	-4	8630	10259	X													

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

TO15 LL PF (MOD) TO15 LOW LEVEL NYSDEC
VAPOR INTRU

Special Instructions/QC Requirements & Comments: STD TAT

Received @ ambient, 1 box
Fedex PO, No Custody seal

Samples Shipped by: FEDEX	Date / Time: ~~5~~ 5/17/21	Samples Received by: FEDEX	trk# 5038 1473 9570
Samples Relinquished by: JOE MENNITI	Date / Time: 10:45	Received by: ETA 5/18/21 1020	KW 5/18/21
Relinquished by: JOE MENNITI	Date / Time:	Received by:	
Lab Use Only:	Shipper Name:	Opened by:	Condition:

Form No. CA-C-WI-003, Rev. 2.23, dated 5/4/2020

5 cans, 5 flows, 5 cc

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST **Log In Number:** Loc: 140 **23153**

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	/			☐ **Containers, Broken**
2. Were ambient air containers received intact?			/	☑ Checked in lab
3. The coolers/containers custody seal if present, is it intact?			/	☐ Yes ☐ NA
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			/	☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**
5. Were all of the sample containers received intact?	/			☐ **Containers, Broken**
6. Were samples received in appropriate containers?	/			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**
7. Do sample container labels match COC? (IDs, Dates, Times)	/			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**
8. Were all of the samples listed on the COC received?	/			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**
9. Is the date/time of sample collection noted?	/			☐ **COC; No Date/Time; Client Contacted**
10. Was the sampler identified on the COC?	/			☐ **Sampler Not Listed on COC**
11. Is the client and project name/# identified?	/			☐ **COC Incorrect/Incomplete**
12. Are tests/parameters listed for each sample?	/			☐ **COC No tests on COC**
13. Is the matrix of the samples noted?	/			☐ **COC Incorrect/Incomplete**
14. Was COC relinquished? (Signed/Dated/Timed)	/			☐ **COC Incorrect/Incomplete**
15. Were samples received within holding time?	/			☐ **Holding Time - Receipt**
16. Were samples received with correct chemical preservative (excluding Encore)?			/	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**
17. Were VOA samples received without headspace?			/	☐ **Headspace (VOA only)**
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:_____			/	☐ **Residual Chlorine**
19. For 1613B water samples is pH<9?			/	☐ If no, notify lab to adjust
20. For rad samples was sample activity info. Provided?			/	☐ Project missing info

Comments/Actions Taken

Labeling Verified by: **Date:**

pH test strip lot number:

	Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:		
Lot Number:		
Exp Date:		
Analyst:		
Date:		
Time:		

Project #: 1400 6271 PM Instructions: _____

Sample Receiving Associate: Ken Wil Date: 5/18/21

QA026R32.doc, 062719

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22766-1

SDG No.:

Client Sample ID: 10260 Lab Sample ID: 140-22766-14

Matrix: Air Lab File ID: D21L22766.D

Analysis Method: TO 15 LL Date Collected: 04/20/2021 11:00

Sample wt/vol: 500(mL) Date Analyzed: 04/22/2021 07:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48940 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.080	
106-99-0	1,3-Butadine	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND	*+	1.0	
107-83-5	2-Methylpentane	ND		0.080	
107-05-1	3-Chloroprene	ND		0.080	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	

FORM I TO 15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22766-1

SDG No.:

Client Sample ID: 10260 Lab Sample ID: 140-22766-14

Matrix: Air Lab File ID: D21L22766.D

Analysis Method: TO 15 LL Date Collected: 04/20/2021 11:00

Sample wt/vol: 500(mL) Date Analyzed: 04/22/2021 07:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48940 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND		0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND		0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND		0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND		0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22766-1

SDG No.:

Client Sample ID: 10260 Lab Sample ID: 140-22766-14

Matrix: Air Lab File ID: D21L22766.D

Analysis Method: TO 15 LL Date Collected: 04/20/2021 11:00

Sample wt/vol: 500(mL) Date Analyzed: 04/22/2021 07:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48940 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND		0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND		0.080	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22766-1

SDG No.:

Client Sample ID: 10260 Lab Sample ID: 140-22766-14

Matrix: Air Lab File ID: D21L22766.D

Analysis Method: TO 15 LL Date Collected: 04/20/2021 11:00

Sample wt/vol: 500(mL) Date Analyzed: 04/22/2021 07:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48940 Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210419-18948.b\D21L22766.D				
Lims ID:	140-22766-A-14				
Client ID:	10260				
Sample Type:	Client				
Inject. Date:	22-Apr-2021 07:34:30	ALS Bottle#:	17	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018948-022				
Misc. Info.:	10260				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210419-18948.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	22-Apr-2021 08:12:30	Calib Date:	22-Feb-2021 22:12:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1614				
First Level Reviewer: smelcerb		Date:	22-Apr-2021 08:12:30		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.239	9.244	-0.005	97	122280	4.80	
* 2 1,4-Difluorobenzene	114	11.412	11.417	-0.005	96	629713	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.082	16.082	-0.001	90	554099	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.728	17.728	0.000	85	447864	4.64	
33 Carbon disulfide	76	6.769	6.766	-0.001	56	1652	0.0135	
47 1,1,1-Trichloroethane	97	10.298	10.292	-0.001	87	1146	0.0144	
49 n-Butanol	31	10.853	10.804	0.043	87	838	0.0427	
75 Chlorobenzene	112	16.130	16.130	0.000	81	822	0.007415	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

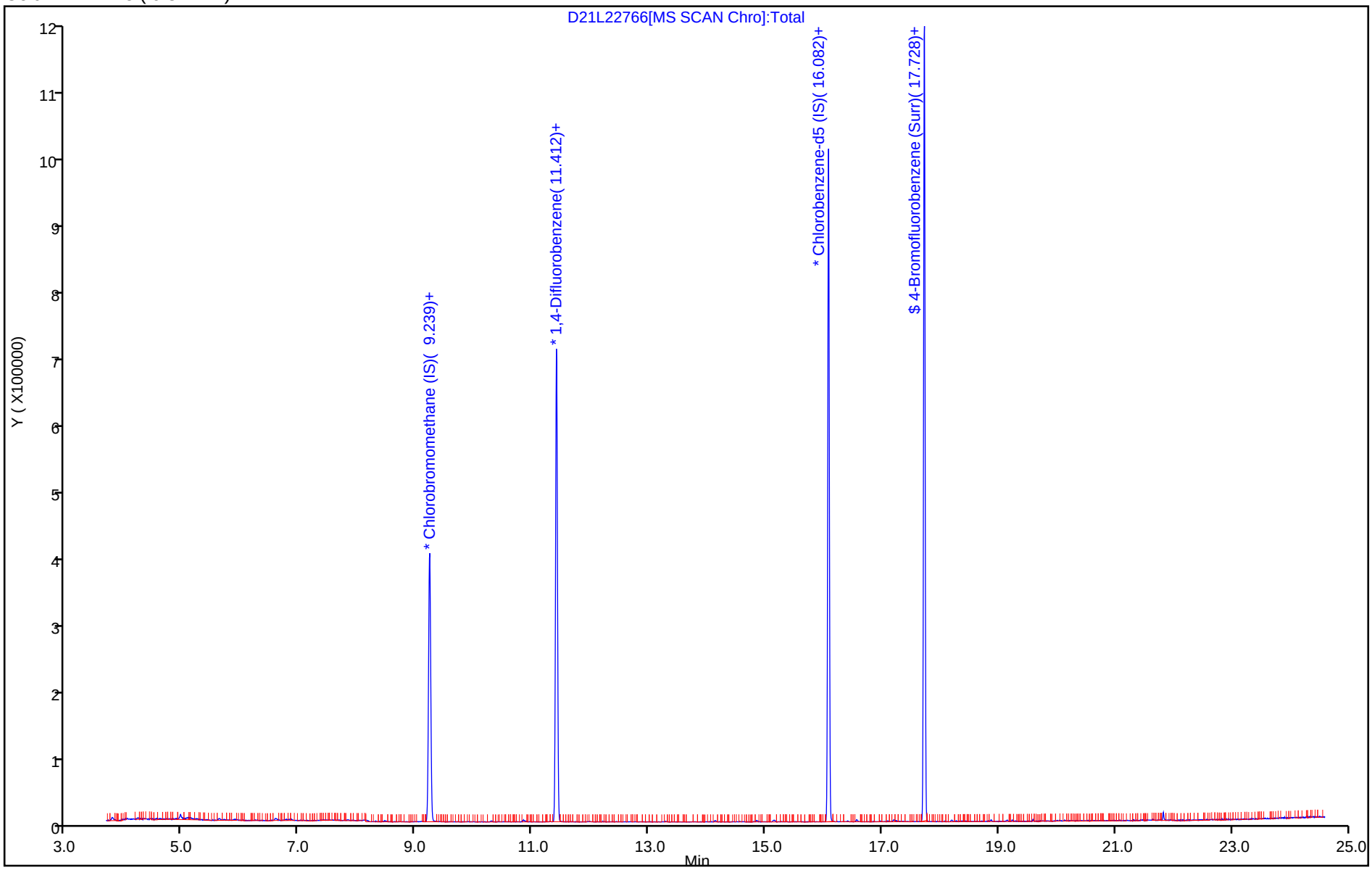
Report Date: 22-Apr-2021 08:12:30 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210419-18948.b\D21L22766.D

Injection Date:	22-Apr-2021 07:34:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	140-22766-A-14	Lab Sample ID:	140-22766-14	Worklist Smp#:	22
Client ID:	10260				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



5/27/2021

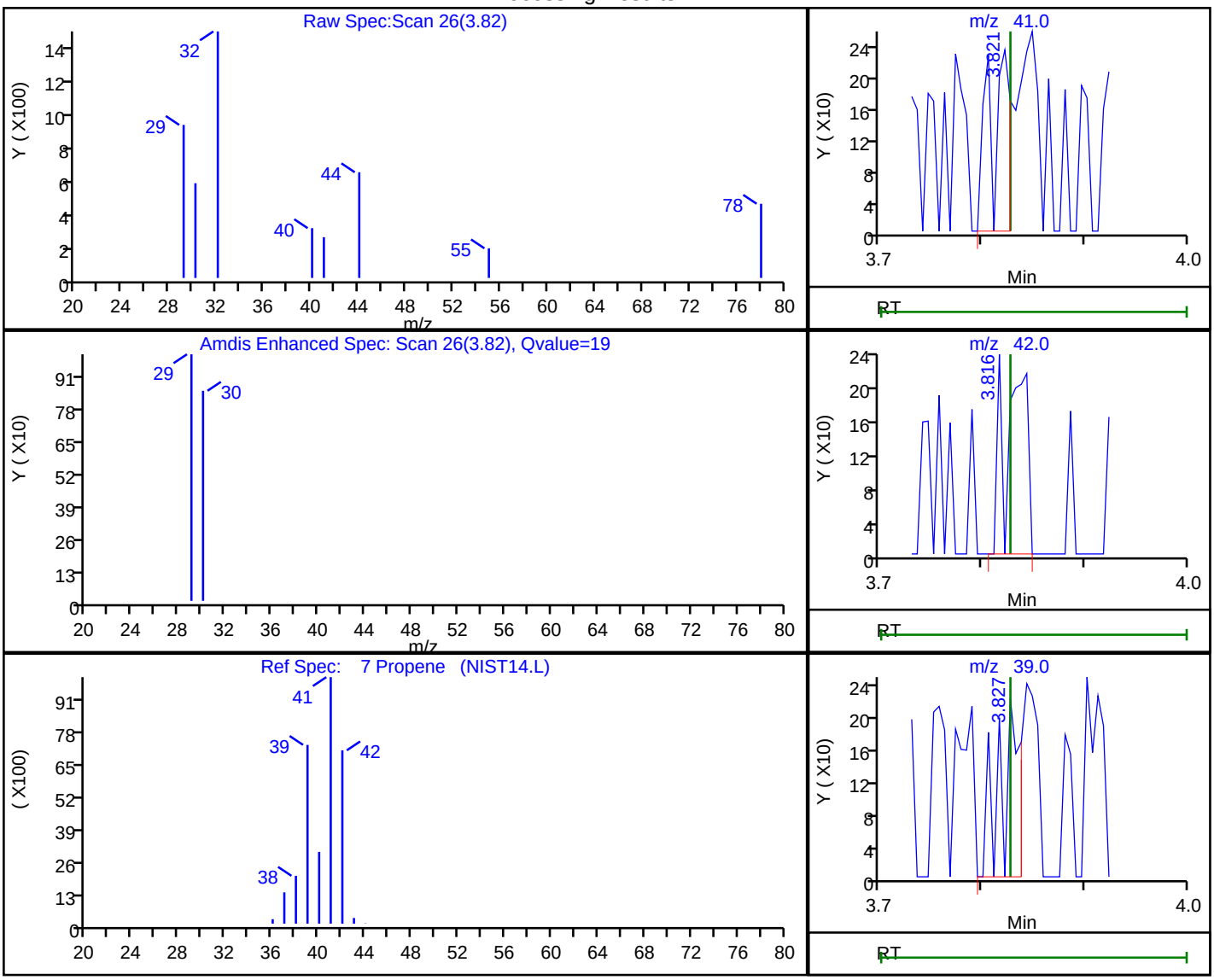
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210419-18948.b\D21L22766.D				
Injection Date:	22-Apr-2021 07:34:30	Instrument ID:	MS		
Lims ID:	140-22766-A-14	Lab Sample ID:	140-22766-14		
Client ID:	10260				
Operator ID:	HMT	ALS Bottle#:	17	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.82	41.00	321	0.009555
3.82	42.00	336	
3.83	39.00	294	

Reviewer: smelcerb, 22-Apr-2021 08:11:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID