PERIODIC REVIEW REPORT
REPORTING PERIOD: JULY 27, 2020 THROUGH JULY 26, 2021

147 STATE STREET
MANCHESTER, NEW YORK
NYSDEC SITE NO. B00131

This Periodic Review Report (PRR) was prepared in accordance with the provisions of the document *DER-10 Technical Guidance for Site Investigation and Remediation* (DER-10). This is the second PRR submitted for New York State Department of Environmental Conservation (NYSDEC) Site No. B00131 located at 147 State Street, Village of Manchester, Ontario County, New York (the Site). This document presents a summary of site characterization and remedial activities conducted at the Site pursuant to obtaining a Certificate of Completion issued on March 26, 2019, and the site management activities completed in the period between July 27, 2020 and July 26 2021 (the reporting period). The site management requirements are outlined in the document titled *Frederick Property, Ontario County, Manchester, New York, Site Management Plan, NYSDEC Site Number: B00131*, dated February 2019 (the SMP).

This report includes the following elements:

- Site background information;
- identification of the remedial goals established for the Site;
- a description of the ICs and ECs for the Site;
- a review of monitoring protocols and results;
- a description of site monitoring activities, including a site inspection and groundwater monitoring;
- an evaluation of the remedy performance, effectiveness and protectiveness; and,
- conclusions and recommendations based on the work completed to date.

I. Executive Summary

A. Site Conditions, Contamination and Remedial History

- The Site consists of a 0.48-acre parcel of currently undeveloped land that previously contained a gasoline station/vehicle repair facility (refer to the Project Locus Map included as Figure 1).
- The Village of Manchester obtained ownership of the Frederick Property in 1999, and subsequently entered into a State Assistance Contract (SAC) with the NYSDEC to remediate the Site.
- Between 2000 and 2003, various studies were completed to characterize environmental conditions at the Site and to identify potential remedial actions. The studies completed and the findings/conclusions are summarized in the Site

Investigation/Remedial Analysis Report (SI/RAR) prepared by Sniedze Associates of Canandaigua, NY dated September 2003 (with addendum dated December 19, 2003). In conjunction with the above studies, an Interim Remedial Measure (IRM) was conducted in 2000 and 2001 to remove the USTs and petroleum-impacted soil adjacent to the tanks.

- The Site was remediated in accordance with the provisions of a 2004 Record of Decision (ROD), issued by the NYSDEC, in consultation with the New York State Department of Health (NYSDOH). The ROD included Remedial Action Objectives for public health protection and environmental protection pertaining to Site related soil and groundwater. The ROD also specified the selected remedy for the Site, as Track 4 Restricted (Residential) Use. See Section II.B of the PRR for a summary of the remedial actions completed under the ROD.

- Day Environmental, Inc. (DAY) prepared the SMP on behalf of the Village of Manchester, and this document was approved by the NYSDEC. The site management requirements outlined in Section 6.3(b) of DER-10, and the SMP were implemented at the Site beginning on March 26, 2019.

- A certificate of completion (COC), documenting completion of the remedial program, was issued for NYSDEC Site #B00131 on March 26, 2019. The COC identified ongoing requirements for the Site, including compliance with the SMP, periodic reporting through PRRs, and periodic certification of the Engineering Controls (EC) and Institutional Controls (IC) that are required at the Site.

- Following the receipt and review of the initial PRR for the Site (i.e., reporting period between March 26, 2019 and July 26, 2020) the NYSDEC issued comments which included a reduction in scope of the groundwater monitoring program (refer to details in Section II).

B. Effectiveness of the Remedial Program

Progress made during the reporting period toward meeting the remedial objectives for the Site include continued operation and monitoring of the EC, consisting of the site-wide cover system; and post-remediation groundwater sampling and testing. Monitoring data from the work completed to date shows that the remedial program is currently meeting, and has the ability to achieve, the remedial objectives for the Site.

C. Compliance

No areas of non-compliance with the SMP were identified during the reporting period. As such, no steps are currently deemed necessary to correct areas of non-compliance.

D. Recommendations

1. The requirements identified in the SMP for the Site were met during the reporting period, as such, no modifications are required to bring the plan into compliance.

2. It is recommended that the frequency of future PRRs remain as identified in the SMP (i.e., submitted every year subsequent to this report, such that the next PRR covers the reporting period July 27, 2020 through July 26, 2021).

3. Based upon the results of groundwater sampling and testing, reported over a fourteen-year period, the remedy has been confirmed to be effective. Therefore, it is recommended that the scope of the post-remediation groundwater monitoring program be further modified to eliminate the annual sampling/testing of groundwater monitoring wells MW-1, MW-3, MW-5 and RW-1. [Refer to Section V(E) which includes a rationale for elimination of the collection and testing of groundwater samples from these locations.] However, it is recommended that the annual sampling of groundwater monitoring well MW-A, continue. Further it is recommended that the groundwater samples from MW-A be tested only for TCL VOCs and CP-51 List SVOCs, to continue tracking long-term natural attenuation at the Site. Other site management and monitoring activities specified in the SMP should continue to be performed.

4. Since residual contamination remains at the Site, it is recommended that site management requirements described in the SMP be continued document the continued effectiveness of the ICs and ECs implemented.

II. Site Overview

A. Site Location, Site Features and Nature and Extent of Contamination

The Site is located in the Village of Manchester, Ontario County, New York and is identified as Township VM 031.20, Block 1 and Lot 4 on the Village of Manchester Tax Map. The Site is an approximately 0.48-acre area and is bound by State Street to the north, a Niagara Mohawk Power Corporation Utility Right-of-Way (ROW) to the south, residential properties to the east, and a residential property to the west. A Property Survey Map of the Site is included in Attachment A of this document.

The properties adjoining the Site, and in the neighborhood surrounding the Site, include industrial, commercial and residential properties. The properties immediately south of the Site include a utility ROW with industrial property beyond; the properties immediately north of the Site include commercial and residential properties; the properties immediately east of the Site include residential properties; and the properties to the west of the Site include residential properties.

The Site is currently vacant and covered by lawn-type vegetation, which is periodically maintained by the Village of Manchester. The Site previously contained a gasoline station/vehicle repair facility.

A Site Investigation (SI) was performed to characterize the nature and extent of contamination at the Site. The results of this study are described in the following report:

- *Site Investigation/Remedial Alternatives Report, Frederick Property Environmental Restoration Project, 147 State Street, NYSDEC Site B00131-8, Manchester, New York* dated September 2003.

The September 2003 SI identified the following conditions at the Site, prior to remediation:

- Impacts to subsurface soil from petroleum related volatile organic compounds (VOC) (i.e., 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, and mixed xylenes);

- Impacts to bedrock groundwater from petroleum related VOC (i.e., benzene, ethylbenzene, isopropylbenzene, toluene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, and mixed xylenes), petroleum related semi-volatile organic compounds (SVOC) (i.e., 4-methylphenol and naphthalene) and chlorinated VOC (i.e., tetrachloroethene and breakdown products trichloroethene and 1,2-dichloroethene); and

- Impacts to overburden groundwater from petroleum related SVOC (i.e., 4-methylphenol) and bis(2-ethylhexyl)phthalate.

B. Chronology

A chronology of Remedial Actions performed at the Site is presented below.

- The Village of Manchester obtained ownership of the Frederick Property in 1999, and subsequently entered into the ERP administered by the NYSDEC to evaluate and remediate the Site as necessary.
- The Site was remediated in accordance with the provisions of a 2004 Record of Decision (ROD), issued by the NYSDEC, in consultation with the NYSDOH. The ROD included Remedial Action Objectives for protection of public health and protection of the environment due to site-related soil and groundwater impacts. The ROD also specified the selected remedy for the Site, as Track 4 Restricted (Residential) Use. Elements of the Remedy included:

    - Demolition of the building and the removal of the floor drainage piping, in-ground hydraulic lift units, and environmentally impacted soil;

    - removal of the dry well and environmentally impacted soil;

    - removal of soil containing concentrations of constituents that exceeded applicable Standards, Criteria, and Guidance (SCGs) to preclude adverse impacts (i.e., generally to achieve a Restricted Residential Use Soil Cleanup Objective (SCO)];

    - development of a SMP describing monitoring to document the effectiveness of the remediation and presenting procedures to address environmental impacts that could be encountered during future redevelopment or maintenance of the Site;

    - annual certification, prepared and submitted by a professional engineer or environmental professional, which documents that the institutional and engineering controls put in place are unchanged from the previous certification and nothing has occurred that will impair the ability of the control to protect public health or the environment or constitute a violation or failure to comply with any operation and maintenance or site management plan; and

- implementation of institutional controls to restrict the use of groundwater and prevent vapor intrusion into buildings constructed on the Site in the future.

- In 2005, the building was demolished and removed from the Site although some features remained including the building foundation, concrete slabs for the building and the pump island, the dry well and associated piping. In 2006 and 2007, the concrete pads, hydraulic lift system and dry well were removed. In conjunction with this work, contaminated soil was removed replaced with imported fill material.
- Following the removal of structures associated with former operations conducted at the Site (e.g., USTs, in-ground hydraulic lifts, a dry well, concrete pads and footers) and contaminated soil, 'clean' backfill was placed and compacted in the resulting excavations. Subsequently, a minimum of three inches of topsoil was reportedly placed above the backfill and grass seed, fertilizer and mulch were added.
- DAY prepared a SMP for the Site on behalf of the Village of Manchester, dated February 2019, and this document was approved by the NYSDEC. The site management requirements outlined in Section 6.3(b) of DER-10, and the SMP were implemented at the Site beginning on March 29, 2019. The SMP includes an Institutional and Engineering Control Plan that identifies use restrictions and engineering controls for the site, a Monitoring Plan to assess the performance and effectiveness of the Remedy, and details the steps and media-specific requirements necessary to ensure that the institutional and/or engineering controls remain in place and effective.
- A COC was issued for NYSDEC Site #B00131 on March 29, 2019, documenting completion of the remedial program. The COC identified ongoing requirements for the Site, including compliance with the SMP, periodic reporting through PRRs, and periodic certification of the Engineering Controls (EC) and Institutional Controls (IC) that are required at the Site.

- Following the receipt and review of the initial PRR for the Site (i.e., reporting period between March 26, 2019 and July 26, 2020) the NYSDEC issued comments which included a reduction in scope of the groundwater monitoring program. Specifically, the NYSDEC comments stated that, "wells MW-2, MW-4, MW-6, RW-2, and RW-3 have not had VOC or SVOC exceedances since at least 2007. As such, these wells may be eliminated from the groundwater monitoring program at this time. Should future groundwater data suggest these wells may be impacted, the Departments may request they be sampled. Monitoring wells MW-1, MW-3, MW-5, MW-A, and RW-1 will continue to be monitored annually. MW-3, MW-5, and RW-1 each had exceedances of SVOCs in groundwater from the July 2020 monitoring event. As such, SVOCs will continue to be monitored annually until these compounds are below groundwater standards or guidance values for a period of time, at which time another request to discontinue sampling for SVOCs may be made."

As presented in the ROD, the cleanup goals for the Site are to prevent ingestion/direct contact with contaminated soil and groundwater, prevent exposure to onsite groundwater, prevent exposure to contaminants volatizing from subsurface locations, prevent migration of contaminants and, to the extent practicable, restoration of the groundwater to pre-disposal/pre-release conditions. Generally, remedial processes are considered complete when effectiveness monitoring indicates that the remedy has achieved the remedial action

objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.6 of NYSDEC DER-10.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

The Site remedy included:

- the placement, and maintenance, of a site-wide cover system (i.e., soil cover over exterior locations) to prevent direct contact with impacted materials (i.e., surface soil, subsurface soil/fill, etc.),

- institutional controls to prevent exposure to onsite groundwater.

The effectiveness of this remedy is evaluated by the completion of annual inspections of the cover system, and post-remediation groundwater sampling.

- On July 14, 2021, DAY representatives completed the annual inspection of the site-wide cover system. A copy of the site-wide inspection form completed during the July 14, 2021 inspection is included in Attachment B. Photographs, taken on July 14, 2021 illustrating the condition of the exterior site cover on that date, are also included in Attachment B.

- The results of the groundwater monitoring completed at the Site are discussed in Section V of this PRR.

IV. IC/EC Compliance Report

A. IC/EC Compliance Report

1. A description of each control, its objective, and how performance of the control is evaluated is provided below.

    - Groundwater Use Restriction: restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH). The effectiveness of this control is evaluated based upon monitoring of groundwater usage at the Site (or lack thereof).

    - Land use Restriction: allows the use and development of the controlled property for restricted residential, commercial or industrial uses as defined by 6 NYCRR Part 375-1.8(g), although land use is subject to local zoning laws. The effectiveness of this control is evaluated based upon monitoring of land usage at the Site.

    - Site Management Plan: The objective of the SMP is to manage remaining contamination present at the Site that is above regulatory criteria in a manner that is protective of human health and the environment. The SMP includes an Institutional and Engineering Control (IC/EC) Plan, and an excavation work plan (i.e., included as Appendix E of the SMP). The effectiveness of the controls

outlined above is evaluated through monitoring and periodic certification. Controls on the Site include:

- Maintenance of a site-wide cover system to provide a barrier above soil containing concentrations that exceed the Unrestricted Use SCOs. The cover system consists of soil and vegetative cover at the ground surface;

- Implementation of specific requirements outlined in the SMP, including the provisions of the IC/EC Plan (i.e., Excavation Work Plan and Soil Vapor Intrusion Evaluation) and Site Monitoring Plan, to assure the provisions described in these documents are followed.

2. Status:

Each control is fully in place, is being adhered to, and appears to be effective as of the date of this report.

The approximate 5 ft. by 9 ft. area, located near the northwest corner of the Site (i.e., which was observed to be largely bare of vegetative cover during the annual inspection of the site-wide cover system that occurred on July 8, 2020), appeared more densely vegetated during the inspection of the site-wide cover system that occurred July 14, 2021. The ground surface in this area is generally flat, and bound to the north by a concrete sidewalk and to the west by the driveway on the adjacent property. Evidence of erosion of the soil/gravel cover from this area of the Site was not observed on July 14, 2021. The Photographs taken on July 14, 2021, which document the area described, are included in Attachment B.

3. Corrective Measures:

None required.

4. Conclusions and Recommendations for Changes:

The controls are being effectively implemented as of the date of this report, and no changes are deemed necessary at this time.

B. IC/EC Certification

Certification Statement and forms are included as Attachment C to this report.

V. Monitoring Plan Compliance Report

A. Components

- Site-Wide Inspections: annual inspections are required to observe and document the condition of the cover system installed at the Site. Site-wide inspections are also required after all severe weather events that have the potential to affect ECs.

- Post Remediation Media Monitoring and Sampling: Groundwater samples are collected/tested on a routine basis to assess the performance of the remedy.

B. Summary of the Monitoring Completed

- Site-Wide Inspections: On July 14, 2021, a DAY representative completed the annual inspection of the site-wide cover system. A copy of the site-wide inspection form completed for July 14, 2021 is included in Attachment B. Photographs, taken on July 14, 2021 illustrating the condition of the exterior site cover on that date, are also included in Attachment B.

- Post Remediation Media Monitoring and Sampling:

  During the reporting period, one post-remediation groundwater sampling event was completed at the Site on July 14, 2021. The results of the groundwater sampling conducted on July 14, 2021 are provided herein as follows:

  - Copies of the groundwater sampling logs are included in Attachment D. The approximate locations of the monitoring wells sampled are depicted on Figure 2.

  - Copies of the analytical laboratory reports are included in Attachment E. [Note: due to an insufficient quantity of groundwater in monitoring well MW-1, a sample could not be collected for testing of SVOCs. Further, the quantity of water in this well was insufficient to conduct sampling using low-flow methods. However, a grab sample of the water encountered in MW-1 on July 14, 2021 was collected using a dedicated disposable bailer, and the quantity of water obtained was sufficient to test for VOCs.]

  - A summary of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) detected by the analytical laboratory in the groundwater samples are presented on Table 1 and Table 2A, respectively [Note: a summary of results from each post-remediation groundwater sampling event completed between August 22, 2007 and July 8, 2020 are also included on Table 1 and Table 2A]. A summary of the SVOCs detected by the analytical laboratory in the groundwater samples collected July 7 to 8, 2020 and July 14, 2021 using the selected ion monitoring (SIM) method are presented in Table 2B.

C. Comparison with Remedial Objectives

- Site-Wide Inspections: The results of the site-wide inspection indicate that remedial objectives were achieved during the reporting period. Specifically, the site-wide inspection revealed that the cover system is intact and functioning as designed to eliminate direct contact.

- Post Remediation Media Monitoring and Sampling: As depicted on Figure 2, measurements of static water levels within the overburden monitoring wells completed on July 14, 2021 indicate that groundwater flow within the overburden zone at the Site is generally toward the east and southeast, and measurements of static water levels within the bedrock monitoring wells on these dates indicate that groundwater flow within the upper bedrock zone at the Site is generally toward the northwest. The flow patterns calculated during the reporting period for the overburden zone are generally consistent with the flow pattern described in the ROD (i.e., MW-1 as the upgradient well, MW-5 and MW-6 as the downgradient wells).

However, the flow patterns calculated during the reporting period for the upper bedrock zone is opposite to the flow pattern described in the ROD (i.e., RW-1 as the upgradient well, RW-3 as the downgradient well, with flow toward the south), so that bedrock well RW-1 is currently the downgradient on-site well in the bedrock zone.

The following compounds were detected at concentrations in excess of the NYSDEC groundwater standards or guidance values during the reporting period:

- Petroleum-related VOC 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, benzene, ethylbenzene, isopropylbenzene, toluene, m,p-xylene, o-xylene, n-propylbenzene, sec-butylbenzene and tert-butylbenzene were measured in the groundwater sample collected on July 14, 2021 from monitoring well MW-A in excess of their respective NYSDEC groundwater standards. The concentration of each petroleum related VOC that exceeded NYSDEC groundwater standards in the sample collected from monitoring well MW-A during the reporting period are lower than the concentrations of those compounds measured in the groundwater sample collected from MW-A during previous monitoring event, suggesting natural attenuation of these compounds.

- Petroleum-related SVOC naphthalene was measured in the groundwater samples collected on July 14, 2021 from monitoring well MW-A in excess of the respective NYSDEC groundwater guidance value. The concentrations of naphthalene in the sample collected from monitoring well MW-A during the reporting period is lower than the concentration naphthalene measured in the groundwater sample collected from MW-A previously, suggesting natural attenuation of naphthalene may be occurring.

- The chlorinated VOC tetrachloroethene (PCE), was detected in the groundwater sample collected on July 14, 2021 from bedrock well RW-1 at a concentration (i.e., 6.6 ug/l) that slightly exceeds the respective NYSDEC groundwater standard of 5 ug/l for PCE. The PCE breakdown products trichloroethene and 1,2-dichlorothene, were also detected in the groundwater sample collected on July 14, 2021 from bedrock well RW-1, at concentrations below their respective NYSDEC groundwater standards. The presence of tetrachloroethene, and breakdown products trichloroethene and 1,2-dichlorothene has been measured in groundwater samples collected from bedrock monitoring wells at the Site since at least 2003, however, the concentrations of these compounds measured in monitoring well RW-1 have not exceeded their respective NYSDEC groundwater standards since 2009.

D. Monitoring Deficiencies

There are no monitoring deficiencies identified at this time.

E. Conclusions and Recommendations for Changes

- Site-Wide Inspection: The site-wide inspection confirmed that the remedial systems/actions for the Site are functioning properly, and effective in achieving their intended objectives. No changes to the site-wide inspection or remedial actions are recommended at this time.

- Post Remediation Media Monitoring and Sampling: Residual impacts from petroleum persist in the groundwater samples collected from monitoring well MW-A. However, the concentrations of petroleum related VOCs and SVOCs detected in the groundwater samples collected during the reporting period are lower than the concentrations detected during the previous reporting period. Further, a general trend of decreasing concentrations of petroleum related VOCs and SVOCs is apparent in the samples collected from monitoring well MW-A since its installation in 2018, indicating natural attenuation over time.

  While select petroleum related VOCs and/or SVOCs have been detected in groundwater samples collected from monitoring wells MW-3, MW-5 and RW-1, the concentrations of these compounds have been reported as 'Non-Detect' or estimated concentrations (i.e., below the laboratory reporting limits) and not consistently detected. For example, although the estimated concentrations of select SVOCs detected in the groundwater samples collected during the previous reporting period from monitoring wells MW-3, MW-5 and RW-1 exceeded their respective groundwater standards, the concentrations of each these compounds in the groundwater samples collected during the current reporting period were not detected at the same detection limit used during the previous sampling event. As such, the test results for groundwater samples collected from monitoring wells MW-3, MW-5 and RW-1 do not indicate trends with regard to petroleum impacts to groundwater.

  Since 2018 (i.e., at the time when monitoring activities at the site resumed), the quantity of groundwater encountered in monitoring well MW-1 has consistently been insufficient to collect groundwater samples using low-flow methods (i.e., ranging between 0.01 ft. and 0.89 ft of water in the well during the past four monitoring events). The water sample obtained during the reporting period (i.e., tested only for VOCs due to the quantity obtained) did not indicate the presence of residual petroleum in the groundwater at this location.

  It is recommended that post-remediation groundwater sampling and testing continue to be completed in accordance with the procedures outlined in the SMP. However, it is recommended that the scope of the post-remediation groundwater monitoring program be further modified to eliminate the annual sampling/testing of groundwater monitoring wells MW-1, MW-3, MW-5 and RW-1 (i.e., as samples from these wells do not provide data pursuant to evaluating petroleum impacts to groundwater at the Site) and that the annual sampling of groundwater monitoring MW-A, continue. Further it is recommended that the groundwater samples from MW-A be tested only for TCL VOCs and CP-51 List SVOCs, to continue tracking long-term natural attenuation at the Site. Other site management and monitoring activities specified in the SMP should continue to be performed.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP

The requirements identified in the SMP for the Site were met during the reporting period, and, with the exception of a revision to the scope of the Post Remediation Groundwater Monitoring, no modifications are required to bring the plan into compliance.

B. Performance and Effectiveness of the Remedy

An evaluation of the components of the SMP during the reporting period indicated that:

- the IC/EC controls are protective of human health and the environment;
- the monitoring plan sufficiently monitored the performance of the remedies implemented;
- the O&M Plan adequately addressed the on-going operation of the SSDS; and
- the remedial program is achieving the remedial goals identified for the Site.

C. Future PRR Submittals

1. It is recommended that the frequency of future PRRs remain as identified in the SMP (i.e., submitted every year subsequent to this report, such that the next PRR covers the reporting period July 27, 2020 through July 26, 2021).

2. The requirements for site closure have not been achieved. As such, it is recommended that site management continue.

PERIODIC REVIEW REPORT
REPORTING PERIOD: JULY 27, 2020 THROUGH JULY 26, 2021

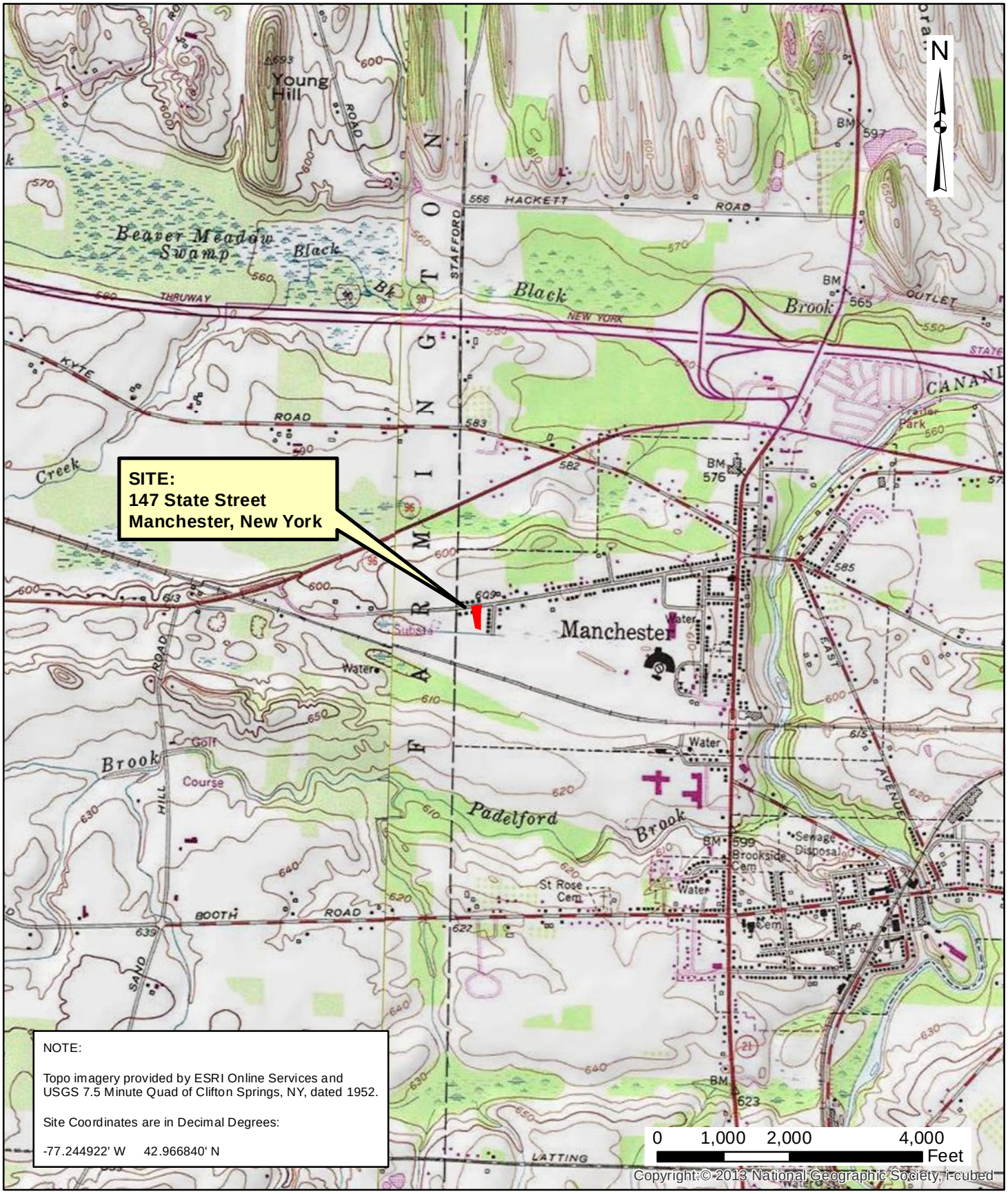
147 STATE STREET
MANCHESTER, NEW YORK
NYSDEC SITE NO. B00131

FIGURES

TABLES

ATTACHMENTS

FIGURES



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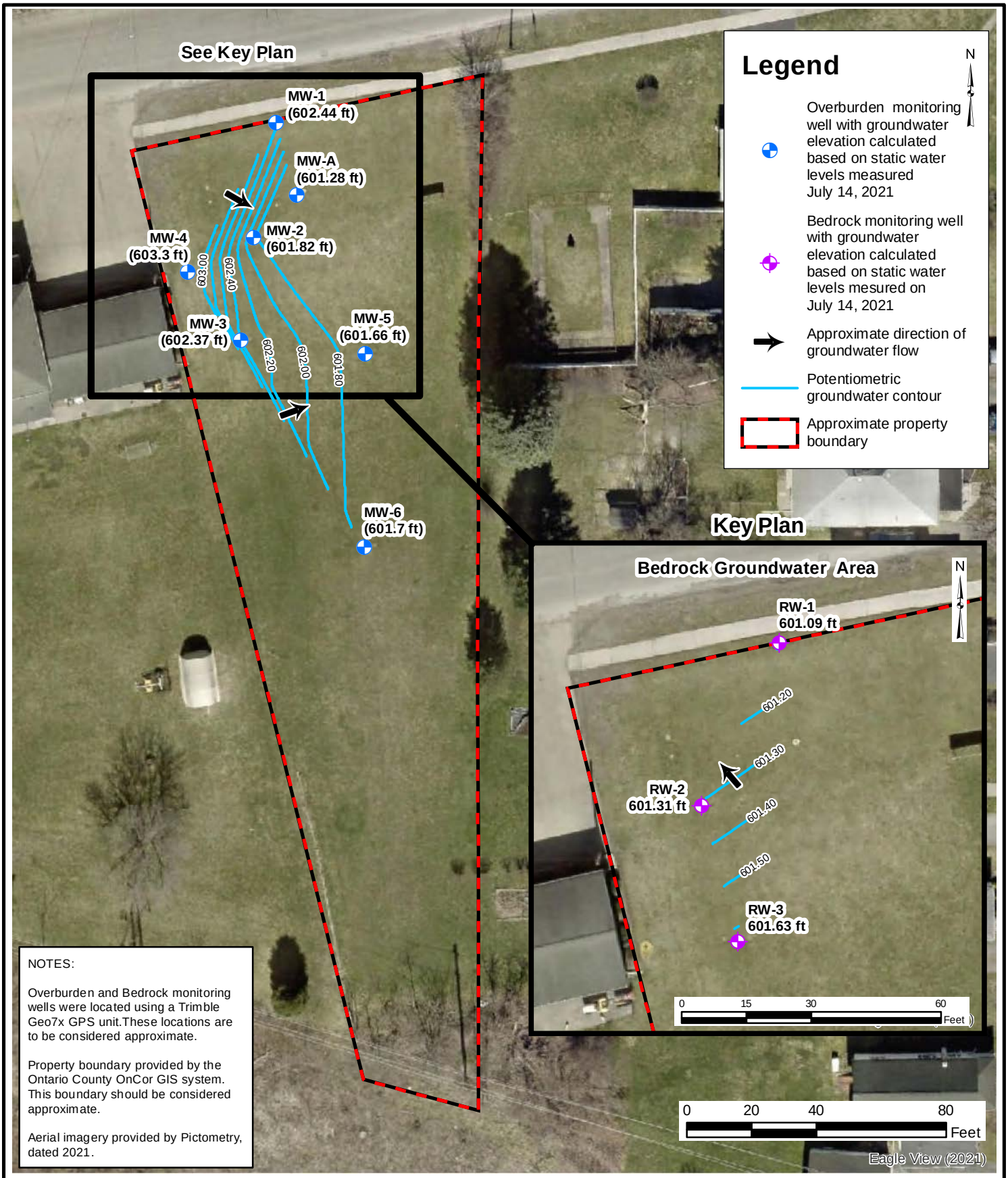
Date: 01-10-2019 Drawn By: CPS Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title: FREDERICK PROPERTY 147 STATE STREET MANCHESTER, NEW YORK NYSDEC SITE: B00131-8 Drawing Title: Project Locus Map	Project No.: 5474S-18 FIGURE 1



NOTES:

Overburden and Bedrock monitoring wells were located using a Trimble Geo7x GPS unit.These locations are to be considered approximate.

Property boundary provided by the Ontario County OnCor GIS system. This boundary should be considered approximate.

Aerial imagery provided by Pictometry, dated 2021.

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Date: 07-23-2021 Drawn By: CPS Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title: FREDERICK PROPERTY 147 STATE STREET MANCHESTER, NEW YORK NYSDEC SITE NO. B00131 Drawing Title: Potentiometric Overburden and Bedrock Groundwater Contour Maps measured on July 14, 2021	Project No.: 5474S-18 FIGURE 1

TABLES

TABLE 1
FREDERICK PROPERTY
147 STATE STREET, MANCHESTER NEW YORK
NYSDEC SITE # B00131
SUMMARY OF DETECTED VOCS: GROUNDWATER SAMPLES

Compound	NYSDEC Standard or Guidance Value[(1)]	Sample Designation and Date																	
		MW-1	MW-2					MW-3						MW-4					
		7/14/2021	8/22/2007	12/22/2009	9/27/2017	7/1/2019	7/8/2020	8/22/2007	12/22/2009	9/27/2017	7/1/2019	7/7/2020	7/14/2021	8/22/2007	12/22/2009	9/27/2017	7/2/2019	7/8/2020
1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.82 J	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND
Methylene chloride	5	ND	1.4	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	0.33 J	ND	1.6	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND
m,p-Xylenes	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND	ND	ND	ND

Compound	NYSDEC Standard or Guidance Value[(1)]	Sample Designation and Date																	
		MW-5						MW-6						MW-A					
		8/22/2007	12/22/2009	9/27/2017	7/2/2019	7/7/20	7/14/2021	8/22/2007	12/22/2009	9/27/2017	7/2/2019	7/7/2020	7/2/2018	7/1/2019	7/8/2020	7/14/2021			
1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2,400**	**180**	**600**	**160**			
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**670**	**54**	**200**	**82**			
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30 J	5.3 J	ND	ND			
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14 J**	1.4 J	ND	**5.5**			
4-Methyl-2-pentanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.78 J	ND	ND			
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3 BJ	ND	**72 J**	18 B	ND	ND			
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**35 J**	**4.4 J**	ND	**1.3**			
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Cyclohexane	NS	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	ND	280	51 J	100	18			
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,600**	**120**	**200**	**24**			
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**99 J**	**13**	**28**	**6.1**			
Methylcyclohexane	NS	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	ND	220 J	35	110	55			
Methylene chloride	5	1.8	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND			
Toluene	5	**260**	ND	ND	ND	ND	ND	**140**	ND	ND	ND	ND	**490**	**33**	**29**	**8.8**			
m,p-Xylenes	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6,300**	**340**	**640**	**81**			
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**29 J**	3.4 J	**16 J**	**10**			
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**270**	**25**	**81**	**14**			
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,200**	**60**	**83**	**22**			
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**16 J**	2.6 J	**9.0 J**	**7.0**			
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J	ND	ND			
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Trichloroethene	5	ND	ND	ND	ND	ND	0.85	ND	ND	ND	ND	ND	ND	ND	ND	ND			

Compound	NYSDEC Standard or Guidance Value[(1)]	Sample Designation and Date																	
		RW-1						RW-2						RW-3					
		8/22/2007	12/22/2009	9/27/2017	7/2/2019	7/7/2020	7/14/2021	8/22/2007	8/22/07 - DUP	12/22/2009	9/27/2017	7/1/2019	7/8/2020	8/22/2007	12/22/2009	12/22/09-DUP	9/27/2017	9/27/17-DUP	7/1/2019	7/7/2020
1,2-Dichloroethene	5	**7.1**	4.86	ND	0.43 J	0.72 J	2.4 J	4.2	4.4	2.29	ND	0.43 J	0.91 J	**5.8**	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	ND	NT	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	ND
Methylene chloride	5	1.6	ND	ND	ND	ND	ND	1.6	2.4	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	**9.3**	**8.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	**28**	**22**	2.45	2.5 J	2.8	**6.6**	2.4	2.6	3.1	ND	1.1 J	2.3	**22**	2.71	2.0	ND	ND	ND	ND
Trichloroethene	5	**9.8**	**8.44**	ND	1.1 J	1.2	3.8	4.3	4.4	ND	ND	0.74 J	1.2	**7.6**	ND	ND	ND	ND	ND	ND

NOTES

Results and groundwater standards/guidance values are in micrograms per liter (µg/l) or parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

VOCs = Volatile Organic Compounds

ND = Not Detected at a concentration greater than the detection limit reported by the analytical laboratory.

NS = No Standard/Guidance Value

NT = Not Tested

B = Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

J = Estimated Concentration

Highlighted value exceeds the groundwater standard or guidance value

TABLE 2A
FREDERICK PROPERTY
147 STATE STREET, MANCHESTER NEW YORK
NYSDEC SITE # B00131
SUMMARY OF DETECTED SVOCS via USEPA METHOD 8270D: GROUNDWATER SAMPLES

Compound	NYSDEC Standard or Guidance Value[1]	Sample Designation and Date															
		MW-2					MW-3						MW-4				
		8/22/2007	12/22/2009	9/27/2017	7/1/2019	7/8/2020	8/22/2007	12/22/2009	9/27/2017	7/1/2019	7/7/2020	7/14/2021	8/22/2007	12/22/2009	9/27/2017	7/2/2019	7/8/2020
2-Methylnaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	NS	NT	NT	ND	ND	ND	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND	ND
Benzaldehyde	NS	NT	NT	ND	ND	ND	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND	ND
Bis(2-ethylhexyl) Phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	ND	3.1
Di-n-butylphthalate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48 J	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Compound	NYSDEC Standard or Guidance Value[1]	Sample Designation and Date														
		MW-5						MW-6					MW-A			
		8/22/2007	12/22/2009	9/27/2017	7/2/2019	7/7/2020	7/14/2021	8/22/2007	12/22/2009	9/27/2017	7/2/2019	7/7/2020	7/2/2018	7/1/2019	7/8/2020	7/14/2021
2-Methylnaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	230	6.7 J	36	ND
Acetophenone	NS	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	1.7 J	ND	ND
Benzaldehyde	NS	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND	ND	ND	4.8 J	ND	ND
Bis(2-ethylhexyl) Phthalate	5	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND	ND	**180 D**	ND	ND
Di-n-butylphthalate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**390**	**27**	**94**	**14**

Compound	NYSDEC Standard or Guidance Value[1]	Sample Designation and Date																		
		RW-1						RW-2						RW-3						
		8/22/2007	12/22/2009	9/27/2017	7/2/2019	7/7/2020	7/14/2021	8/22/2007	8/22/07 - DUP	12/22/2009	9/27/2017	7/1/2019	7/8/2020	8/22/2007	12/22/2009	12/22/09-DUP	9/27/2017	9/27/17-DUP	7/1/2019	7/7/2020
2-Methylnaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	NS	NT	NT	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND
Benzaldehyde	NS	NT	NT	ND	ND	ND	ND	NT	NT	NT	ND	ND	ND	NT	NT	NT	ND	ND	ND	ND
Bis(2-ethylhexyl) Phthalate	5	ND	ND	ND	**490**	2.3 J	ND	ND	ND	ND	ND	ND	2.9 J	ND	ND	ND	ND	ND	ND	2.7 J
Di-n-butylphthalate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

Results and groundwater standards/guidance values are in micrograms per liter (µg/l) or parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

SVOCs = Semi-Volatile Organic Compounds

ND = Not Detected at a concentration greater than the detection limit reported by the analytical laboratory.

NS = No Standard/Guidance Value

NT = Not Tested

D = Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

J = Estimated Concentration

Highlighted value exceeds the groundwater standard or guidance value

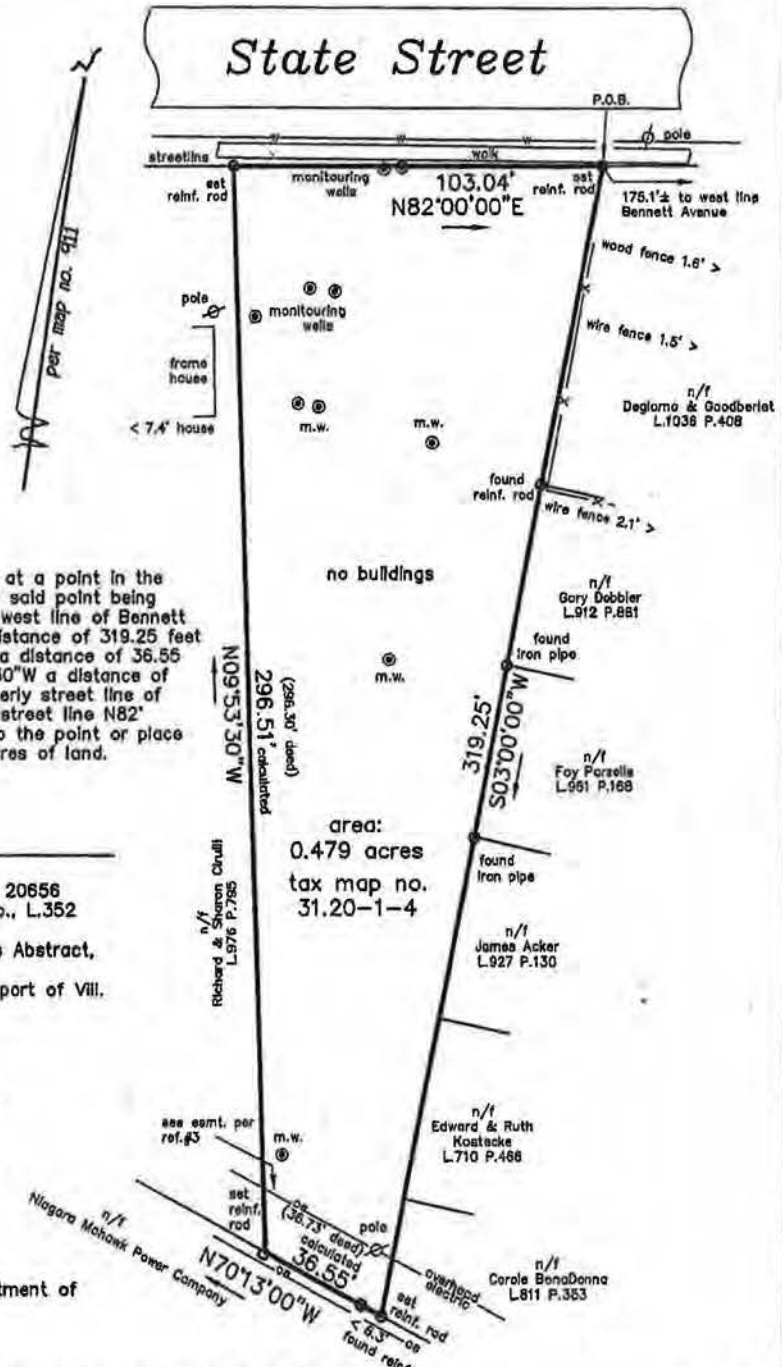
TABLE 2B
FREDERICK PROPERTY
147 STATE STREET, MANCHESTER NEW YORK
NYSDEC SITE # B00131
SUMMARY OF DETECTED SVOCS via USEPA METHOD 8270 SIM: GROUNDWATER SAMPLES

Compound	NYSDEC Standard or Guidance Value[(1)]	Sample Designation and Date											
		MW-2	MW-3		MW-5		MW-6	RW-1		RW-2	RW-3	MW-A	
		7/8/2020	7/7/2020	7/14/2021	7/7/2020	7/14/2021	7/7/2020	7/7/2020	7/14/2021	7/8/2020	7/7/2020	7/8/2020	7/14/2021
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	0.14
Acenaphthylene	NS	ND	ND	ND	ND	ND	ND	0.02 J	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	0.03 J	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND	**0.02 J**	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	**0.02 J**	ND	ND	ND	ND	**0.02 J**	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	**0.03 J**	ND	**0.02 J**	ND	ND	**0.02 J**	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NS	ND	0.02 J	ND	0.03 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	**0.02 J**	ND	**0.02 J**	ND	ND	**0.02 J**	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND	0.04 J	ND	ND	ND	ND	ND
Chrysene	0.002	ND	**0.02 J**	ND	ND	ND	ND	**0.02 J**	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	NS	ND	ND	ND	0.02 J	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	0.03 J	ND	ND	ND	ND	0.04 J	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	0.03 J	ND	ND	ND	0.06 J	0.06 J
Indeno(1,2,3-cd)pyrene	0.002	ND	**0.02 J**	ND	**0.03 J**	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NA	ND	ND	0.23	ND	ND	ND	ND	0.08 J	ND	ND	36	14
Naphthalene	10	ND	ND	0.06 J	ND	ND	ND	ND	ND	ND	ND	**50**	**11**
Pentachlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	0.04 J	ND	ND	ND	ND	0.04 J
Pyrene	50	ND	0.03 J	ND	ND	ND	ND	0.03 J	ND	ND	ND	ND	ND

NOTES
Results and groundwater standards/guidance values are in micrograms per liter (µg/l) or parts per billion (ppb)
(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.
SIM = Selective Ion Monitoring
SVOCs = Semi-Volatile Organic Compounds
ND = Not Detected at a concentration greater than the detection limit reported by the analytical laboratory.
NS = No Standard/Guidance Value
J = Estimated Concentration
Highlighted value exceeds the groundwater standard or guidance value

ATTACHMENT A

PROPERTY SURVEY MAP



Property legal description: Beginning at a point in the southerly street line of State Street, said point being 175.1 feet, plus or minus, from the west line of Bennett Avenue; thence (1) S03°00'00"W a distance of 319.25 feet to a point; thence (2) N70°13'00"W a distance of 36.55 feet to a point; thence (3) N09°53'30"W a distance of 296.51 feet to a point on the southerly street line of State Street; thence (4) along said street line N82° 00'00"E a distance of 103.04 feet to the point or place of beginning. All containing 0.479 acres of land.

References

1. Liber 686, page 661 of deeds
2. Filed Map Nos.: 911, 348, 19950, 20656
3. Electric Line Easement to RG&E Corp., L.352 P.70
4. Search No. 085004 by Crossroads Abstract, dated December 31, 2008
5. NOTE: water main location per report of Vill. of Manchester official

Legend

- utility pole
- monitoring well
- survey monumentation, as noted

Certification: New York State-Department of Environmental Conservation

ALTA/ACSM Land and Title Survey
of Lands of the

Village of Manchester

being in the Village of Manchester
Ontario County, New York

Scale: 1 inch = 40 feet January 5, 2009

0 40
graphic scale in feet

0 15
graphic scale in meters

I hereby that this plan was prepared January 5, 2009 from ... of an instrument survey completed December 29, 2008 and from materials referenced hereon.

David M. Parrinello NYSPLS 049724

Freeland-Parrinello
LAND SURVEYORS
42 Beeman Street
Canandaigua, New York 14424
(585)394-5110

2001-116R

ATTACHMENT B

SITE WIDE INSPECTION FORM AND PHOTOGRAPHS

Frederick Property

147 State Street,

Manchester, New York

NYSDEC Site Number: B00131-8

Date of Inspection Site Visit: July 14, 2021

Personnel Performing Inspection Site Visit: R. Kompff

Affiliation of Personnel: Day Environmental, Inc.

1. **Check integrity of impermeable portions (e.g., concrete) of cover system, include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:

NA - no structures on the site only vegetative cover

2. **Check integrity of permeable portions (e.g., soil) of cover system, include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:

Vegetative cover in-place and in good condition with only minor areas w/o vegetation (e.g., near sign, adjacent to State Street ROW, NW portion of site where some gravel is exposed at the ground surface). No evidence of settlement observed.

3. **Check integrity of vegetative cover (e.g., grass), include whether any dead areas, erosion, etc.**

Discuss observations and any corrective actions:

Generally grass cover is present and in good condition (recently mowed), no evidence of significant distress. Area of weeds adjacent to southern site boundary. No corrective actions required.

4. **Check integrity of building floor slabs (e.g., ground floor and basement), include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:

NA

5. **Groundwater Monitoring Well Assessment**

Discuss observations and any corrective actions:

Insufficient groundwater in monitoring well MW-1 to collect SVOC samples. Protective casings on several wells require repair (e.g., MW-2, MW-4, MW-5). All wells appear to be functioning properly, with possible exception of MW-1 due to limited amount of groundwater

View of the Site, facing south. The approximate location of the western property boundary is shown as a red-dashed line. The partially re-vegetated area on the northwest portion of the Site is visible in the foreground.

View of the Site, facing south. The approximate location of the westerm and eastern property boundaries are shown as a red-dashed line.

View of the southwest property corner stake, facing southwest.

View of the central portion of the property, facing east-southeast. The arrow depicts the location of the protective cover for Monitoring Well MW-A.

ATTACHMENT C

INSTITUTIONAL AND ENGINEERING CONTROL CERTIFICATION FORMS

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **B00131**

Site Name Frederick Property Site Investigation

Site Address: 147 State Street Zip Code: 14504-
City/Town: Manchester
County: Ontario
Site Acreage: 0.479

Reporting Period: July ~~26~~, 2020 to July 26, 2021
27

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative _____ Date _____

SITE NO. B00131 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
31.20-1-4	Village of Manchester	Soil Management Plan Monitoring Plan Site Management Plan IC/EC Plan Ground Water Use Restriction Landuse Restriction

The Controlled Property may be used for restricted residential, recreational, commercial, or light industrial use as long as the following long-term controls are employed:

(i) any use of groundwater as a source of potable or process water without necessary water quality treatment, as determined by the NYSDOH and prior notification and approval of the NYSDEC, shall not be permitted.

(ii) the potential for vapor intrusion must be evaluated for any buildings developed on-site and appropriate actions to address exposures must be implemented.

(iii) vegetable gardens and farming on the site are prohibited.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
31.20-1-4	Cover System Monitoring Wells Vapor Mitigation

The existing cover system at the site consists of 24 inches of clean fill material/topsoil.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
■	□

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

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

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

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

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

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

YES	NO
■	□

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. B00131

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Michael J. Buttaccio (print name) at 8 Clifton Street, Manchester, New York (print business address),

am certifying as Representative of the Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Michael J Buttaccio
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

8-18-2021
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Raymond L. Kampff (print name) at 1563 Lyell Avenue, Rochester, New York 14606 (print business address),

am certifying as a Qualified Environmental Professional for the Owner (Owner or Remedial Party)

Raymond L. Kampff — Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

8/5/2021 — Date

ATTACHMENT D
SAMPLING LOGS FOR JULY 14, 2021 GROUNDWATER SAMPLING EVENT

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-A

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 147 State Street — **JOB #** 5474S-18

Manchester, New York — **DATE:** 7/14/2021

SAMPLE COLLECTOR(S): C. Crampton — **WEATHER:** Partly Cloudy, 71°F

PID READING IN WELL HEADSPACE (PPM): NM — **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC — **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: 3.75-10.35 — **INITIAL WATER LEVEL (SWL) [FT]:** **SWL / Date Measured** **7.32** / 7-14-2021

WELL DEPTH [FT BGS]: 10.35 — **DEPTH OF PUMP INTAKE [FT BGS]:** 8.5

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND — **DNAPL:** ND — **OTHER OBSERVATIONS:** None

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic Pump — **WATER LEVEL METER:** Heron OWI Probe

WATER QUALITY METER(s): YSI ProDSS

STABILIZED PUMP RATE (ml/min): 140 — **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 8.22

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:20	180	7.80	1.34	-27.2	10.76	0.761	7.04	17.9	0
13:23	180	7.96	1.06	-21.5	6.05	0.762	7.03	17.4	540
13:26	180	8.05	0.88	-32.1	5.11	0.763	7.03	17.6	1,080
13:29	150	8.08	0.77	-40.1	4.04	0.763	7.03	17.8	1,530
13:32	150	8.16	0.58	-39.6	3.56	0.760	7.02	17.8	1,980
13:35	150	8.21	0.50	-43.2	3.35	0.762	7.01	17.7	2,430
13:38	140	8.22	0.43	-46.8	2.90	0.763	7.01	17.9	2,850
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SAMPLE OBSERVATIONS: Clear with yellow hue, slight petroleum-type odor

SECTION 4 – SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-A	7-14-2021 / 13:42	Peristaltic Pump	TCL + CP-51 VOCs 8260 & TCL + CP-51 SVOCs 8270

NM – Not Measured ND – Not Detected NA – Not Applicable/Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-3

SECTION 1 – SITE AND WELL INFORMATION

SITE LOCATION 147 State Street — **JOB #** 5474S-18

Manchester, New York — **DATE:** 7/14/2021

SAMPLE COLLECTOR(S): C. Crampton — **WEATHER:** Cloudy, 72°F

PID READING IN WELL HEADSPACE (PPM): NM — **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC — **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: Unknown — **INITIAL WATER LEVEL (SWL) [FT]:** **SWL / Date Measured** 4.87 / 7-14-2021

WELL DEPTH [FT BGS]: 8.62 — **DEPTH OF PUMP INTAKE [FT BGS]:** ~8.0

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND — **DNAPL:** ND — **OTHER OBSERVATIONS:** None

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic Pump — **WATER LEVEL METER:** Heron OWI Probe

WATER QUALITY METER(s): YSI ProDSS

STABILIZED PUMP RATE (ml/min): 120 — **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 5.39

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:23	180	5.20	5.09	147.1	6.23	0.774	6.86	17.4	0
14:26	180	5.30	5.17	152.0	6.84	0.775	6.86	17.9	540
14:28	180	5.33	5.17	155.8	7.51	0.777	6.85	18.1	900
14:30	120	5.39	5.12	159.7	6.71	0.777	6.84	18.1	1,140
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SAMPLE OBSERVATIONS: None

SECTION 4 – SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-3	7-14-2021 / 14:33	Peristaltic Pump	TCL + CP-51 VOCs 8260 & TCL + CP-51 SVOCs 8270

NM – Not Measured ND – Not Detected NA – Not Applicable/Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-5

SECTION 1 – SITE AND WELL INFORMATION

SITE LOCATION 147 State Street — **JOB #** 5474S-18

Manchester, New York — **DATE:** 7/14/2021

SAMPLE COLLECTOR(S): C. Crampton — **WEATHER:** Partly cloudy, 71°F

PID READING IN WELL HEADSPACE (PPM): NM — **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC — **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: Unknown — **INITIAL WATER LEVEL (SWL) [FT]:** 6.84 / 7-14-2021 (SWL / Date Measured)

WELL DEPTH [FT BGS]: 10.63 — **DEPTH OF PUMP INTAKE [FT BGS]:** ~9.25

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND — **DNAPL:** ND — **OTHER OBSERVATIONS:** Cloudy, yellow hue to water

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic Pump — **WATER LEVEL METER:** Heron OWI Probe

WATER QUALITY METER(s): YSI ProDSS

STABILIZED PUMP RATE (ml/min): 130 — **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 9.38

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:50	130	7.45	4.32	165.4	89.50	0.636	7.15	17.1	0
11:53	130	7.45	4.53	171.5	105.31	0.636	7.12	17.0	390
11:56	130	7.45	4.74	176.3	117.22	0.644	7.11	16.9	780
11:59	130	7.45	4.73	178.2	150.78	0.640	7.13	16.8	1,170
12:02	130	7.45	4.40	182.3	246.31	0.650	7.15	17.1	1,560
12:08	100	NM*	4.39	182.6	264.06	0.638	7.20	17.4	2,160
12:11	100	NM*	4.35	183.0	255.62	0.642	7.19	17.7	2,460
12:17	100	NM*	4.07	185.3	233.71	0.641	7.19	18.4	3,060
12:26	100	8.42	NM						3,960
Stopped pump and allowed well to recharge									
12:31	130	8.63	4.01	188.5	167.32	0.631	7.20	17.0	3,960
12:34	130	8.76	3.86	189.8	156.66	0.638	7.20	17.0	4,350
12:37	130	8.82	3.80	190.2	170.27	0.642	7.21	17.0	4,740
	SAMPLE OBSERVATIONS: None								

SECTION 4 – SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-5	7-14-2021 / 12:40	Peristaltic Pump	TCL + CP-51 VOCs 8260 & TCL + CP-51 SVOCs 8270

NM – Not Measured ND – Not Detected NA – Not Applicable/Available

* = Water level meter stopped working due to a dead battery – replaced battery at 12:26

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL RW-1

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 147 State Street — **JOB #** 5474S-18

Manchester, New York — **DATE:** 7/14/2021

SAMPLE COLLECTOR(S): C. Crampton — **WEATHER:** Sunny, 75°F

PID READING IN WELL HEADSPACE (PPM): NM — **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC — **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: Unknown — **INITIAL WATER LEVEL (SWL) [FT]:** 7.05 — **SWL / Date Measured:** 7-14-2021

WELL DEPTH [FT BGS]: 19.05 — **DEPTH OF PUMP INTAKE [FT BGS]:** 11.0

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND — **DNAPL:** ND — **OTHER OBSERVATIONS:** Clear, yellow-hue to water

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic Pump — **WATER LEVEL METER:** Heron OWI Probe

WATER QUALITY METER(s): YSI ProDSS

STABILIZED PUMP RATE (ml/min): 300 — **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 7.12

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
15:09	290	7.15	4.04	169.1	12.79	0.812	7.16	15.3	0
15:12	290	7.12	1.91	169.7	5.37	0.846	7.15	14.4	870
15:16	290	7.12	2.31	168.6	2.56	0.863	7.15	14.1	2,030
15:18	300	7.12	1.81	167.5	1.64	0.867	7.16	13.9	2,630
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SAMPLE OBSERVATIONS:

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
RW-1	7-14-2021 / 15:18	Peristaltic Pump	TCL + CP-51 VOCs 8260 & TCL + CP-51 SVOCs 8270

NM – Not Measured ND – Not Detected NA – Not Applicable/Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-1

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 147 State Street — **JOB #** 5474S-18

Manchester, New York — **DATE:** 7/14/2021

SAMPLE COLLECTOR(S): C. Crampton — **WEATHER:** Sunny, 75°F

PID READING IN WELL HEADSPACE (PPM): NM — **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC — **WELL DIAMETER (INCHES):** 2”

SCREENED INTERVAL [FT BGS]: Unknown — **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured: 5.81 / 7-14-2021

WELL DEPTH [FT BGS]: 6.70 — **DEPTH OF PUMP INTAKE [FT BGS]:** NA

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: NM — **DNAPL:** NM — **OTHER OBSERVATIONS:** None

SECTION 2 – SAMPLING EQUIPMENT

PUMP TYPE: Geotech Geopump™ - Peristaltic pump — **WATER LEVEL METER:** Heron OWI Probe

WATER QUALITY METER(s): YSI Pro DSS

STABILIZED PUMP RATE (ml/min): NA — **STABILIZED DRAWDOWN WATER LEVEL [FT]:** NA

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)

NM – Insufficient water in well to sample via low-flow method. Grab sample w/bailer collected for VOC Insufficient water for SVOC sample.

SAMPLE OBSERVATIONS:

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-1	7/14/21 - / 14:51	Bailer	TCL + CP-51 VOCs 8260

NM – Not Measured ND – Not Detected NA – Not Applicable/Available

ATTACHMENT E

ANALYTICAL LABORATORY REPORT FOR JULY 14, 2021 GROUNDWATER SAMPLING EVENT

ANALYTICAL REPORT

Lab Number:	L2138196
Client:	Day Environmental, Inc. 1563 Lyell Avenue Rochester, NY 14606
ATTN:	Ray Kampff
Phone:	(585) 454-0210
Project Name:	MANCHESTER
Project Number:	Not Specified
Report Date:	07/22/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2138196-01	MW-5	WATER	147 STATE ST., MANCHESTER, NY	07/14/21 12:40	07/15/21
L2138196-02	MW-A	WATER	147 STATE ST., MANCHESTER, NY	07/14/21 13:42	07/15/21
L2138196-03	MW-3	WATER	147 STATE ST., MANCHESTER, NY	07/14/21 14:33	07/15/21
L2138196-04	MW-1	WATER	147 STATE ST., MANCHESTER, NY	07/14/21 14:51	07/15/21
L2138196-05	RW-1	WATER	147 STATE ST., MANCHESTER, NY	07/14/21 15:18	07/15/21
L2138196-06	FB-07142021	WATER	147 STATE ST., MANCHESTER, NY	07/14/21 18:00	07/15/21

Project Name:	MANCHESTER	**Lab Number:**	L2138196
Project Number:	Not Specified	**Report Date:**	07/22/21

Case Narrative

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

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

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

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

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

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

Project Name: MANCHESTER **Lab Number:** L2138196
Project Number: Not Specified **Report Date:** 07/22/21

Case Narrative (continued)

Report Submission

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

Volatile Organics

The WG1526331-6/-7 MS/MSD recoveries, performed on L2138196-02, are below the acceptance criteria for ethylbenzene (0%/0%), p/m-xylene (0%/0%) and 1,2,4-trimethylbenzene (0%/0%) due to the concentrations of these compounds falling below the reported detection limits.

Semivolatile Organics

The WG1525302-4/-5 MS/MSD recoveries, performed on L2138196-02, are below the acceptance criteria for acetophenone (0%/0%) and benzaldehyde (0%/0%) due to the concentration of these compounds in the MS/MSD falling below the reported detection limit.

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

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative Date: 07/22/21

ORGANICS

VOLATILES

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-01 Date Collected: 07/14/21 12:40
Client ID: MW-5 Date Received: 07/15/21
Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/20/21 16:52
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.85		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-01 Date Collected: 07/14/21 12:40

Client ID: MW-5 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-02 Date Collected: 07/14/21 13:42
Client ID: MW-A Date Received: 07/15/21
Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/21/21 03:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.3		ug/l	0.50	0.16	1
Toluene	8.8		ug/l	2.5	0.70	1
Ethylbenzene	24		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-02 Date Collected: 07/14/21 13:42

Client ID: MW-A Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	81		ug/l	2.5	0.70	1
o-Xylene	22		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	10		ug/l	2.5	0.70	1
sec-Butylbenzene	7.0		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	6.1		ug/l	2.5	0.70	1
p-Isopropyltoluene	5.5		ug/l	2.5	0.70	1
Naphthalene	14		ug/l	2.5	0.70	1
n-Propylbenzene	14		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	82		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	160		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	18		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	55		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-03
Client ID: MW-3
Sample Location: 147 STATE ST., MANCHESTER, NY
Date Collected: 07/14/21 14:33
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/20/21 17:16
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.44	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-03 Date Collected: 07/14/21 14:33

Client ID: MW-3 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	0.82	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-04 Date Collected: 07/14/21 14:51
Client ID: MW-1 Date Received: 07/15/21
Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/20/21 17:39
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-04 Date Collected: 07/14/21 14:51

Client ID: MW-1 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-05 Date Collected: 07/14/21 15:18

Client ID: RW-1 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/20/21 22:59

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	6.6		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	3.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-05 Date Collected: 07/14/21 15:18

Client ID: RW-1 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.4	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-06
Client ID: FB-07142021
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 18:00
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/20/21 23:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-06 Date Collected: 07/14/21 18:00

Client ID: FB-07142021 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	99		70-130

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/21 09:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG1526230-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/21 09:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG1526230-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/21 09:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG1526230-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/21 22:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1526331-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/21 22:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1526331-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/21 22:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1526331-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/21 20:18
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1526358-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/21 20:18
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1526358-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/21 20:18
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1526358-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1526230-3 WG1526230-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	94		93		63-130	1		20
1,1,2-Trichloroethane	91		88		70-130	3		20
Tetrachloroethene	99		100		70-130	1		20
Chlorobenzene	99		99		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	99		98		67-130	1		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	93		93		70-130	0		20
Bromoform	83		83		54-136	0		20
1,1,2,2-Tetrachloroethane	98		94		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	120		120		64-130	0		20
Bromomethane	91		98		39-139	7		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1526230-3 WG1526230-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	98		97		70-130	1		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	97		96		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	**150**	Q	**150**	Q	36-147	0		20
Acetone	76		80		58-148	5		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	86		82		63-138	5		20
4-Methyl-2-pentanone	85		83		59-130	2		20
2-Hexanone	82		78		57-130	5		20
1,2-Dibromoethane	92		90		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	120		120		70-130	0		20
tert-Butylbenzene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	74		77		41-144	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1526230-3 WG1526230-4								
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	70		78		70-130	11		20
n-Propylbenzene	100		100		69-130	0		20
1,2,4-Trichlorobenzene	88		92		70-130	4		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Methyl Acetate	89		90		70-130	1		20
Cyclohexane	120		120		70-130	0		20
Freon-113	120		110		70-130	9		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	109		108		70-130
Dibromofluoromethane	101		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1526331-3 WG1526331-4								
Methylene chloride	92		92		70-130	0		20
1,1-Dichloroethane	82		83		70-130	1		20
Chloroform	91		92		70-130	1		20
Carbon tetrachloride	88		93		63-132	6		20
1,2-Dichloropropane	80		82		70-130	2		20
Dibromochloromethane	86		89		63-130	3		20
1,1,2-Trichloroethane	81		80		70-130	1		20
Tetrachloroethene	94		95		70-130	1		20
Chlorobenzene	90		90		75-130	0		20
Trichlorofluoromethane	94		100		62-150	6		20
1,2-Dichloroethane	78		82		70-130	5		20
1,1,1-Trichloroethane	84		84		67-130	0		20
Bromodichloromethane	84		86		67-130	2		20
trans-1,3-Dichloropropene	86		86		70-130	0		20
cis-1,3-Dichloropropene	87		90		70-130	3		20
Bromoform	80		77		54-136	4		20
1,1,2,2-Tetrachloroethane	99		100		67-130	1		20
Benzene	90		92		70-130	2		20
Toluene	92		92		70-130	0		20
Ethylbenzene	88		91		70-130	3		20
Chloromethane	100		98		64-130	2		20
Bromomethane	130		**140**	Q	39-139	7		20
Vinyl chloride	78		75		55-140	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1526331-3 WG1526331-4								
Chloroethane	100		96		55-138	4		20
1,1-Dichloroethene	93		90		61-145	3		20
trans-1,2-Dichloroethene	96		94		70-130	2		20
Trichloroethene	80		80		70-130	0		20
1,2-Dichlorobenzene	86		86		70-130	0		20
1,3-Dichlorobenzene	87		86		70-130	1		20
1,4-Dichlorobenzene	89		87		70-130	2		20
Methyl tert butyl ether	95		99		63-130	4		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	85		91		70-130	7		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	120		130		36-147	8		20
Acetone	84		84		58-148	0		20
Carbon disulfide	93		95		51-130	2		20
2-Butanone	84		81		63-138	4		20
4-Methyl-2-pentanone	68		68		59-130	0		20
2-Hexanone	77		82		57-130	6		20
1,2-Dibromoethane	87		91		70-130	4		20
n-Butylbenzene	84		88		53-136	5		20
sec-Butylbenzene	97		97		70-130	0		20
tert-Butylbenzene	86		86		70-130	0		20
1,2-Dibromo-3-chloropropane	77		80		41-144	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1526331-3 WG1526331-4								
Isopropylbenzene	87		86		70-130	1		20
p-Isopropyltoluene	88		88		70-130	0		20
Naphthalene	81		75		70-130	8		20
n-Propylbenzene	84		85		69-130	1		20
1,2,4-Trichlorobenzene	87		84		70-130	4		20
1,3,5-Trimethylbenzene	85		86		64-130	1		20
1,2,4-Trimethylbenzene	86		85		70-130	1		20
Methyl Acetate	92		88		70-130	4		20
Cyclohexane	75		76		70-130	1		20
Freon-113	100		98		70-130	2		20
Methyl cyclohexane	91		93		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		104		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1526358-3 WG1526358-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	99		100		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	98		99		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	95		96		70-130	1		20
cis-1,3-Dichloropropene	99		97		70-130	2		20
Bromoform	90		89		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	120		120		64-130	0		20
Bromomethane	64		75		39-139	16		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1526358-3 WG1526358-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	98		98		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		99		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	140		140		36-147	0		20
Acetone	110		100		58-148	10		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	99		100		57-130	1		20
1,2-Dibromoethane	100		100		70-130	0		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	120		120		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	85		92		41-144	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1526358-3 WG1526358-4								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	81		92		70-130	13		20
n-Propylbenzene	100		100		69-130	0		20
1,2,4-Trichlorobenzene	93		97		70-130	4		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	120		120		70-130	0		20
Freon-113	120		110		70-130	9		20
Methyl cyclohexane	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		108		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	107		106		70-130
Dibromofluoromethane	105		103		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1526331-6 WG1526331-7 QC Sample: L2138196-02 Client ID: MW-A												
Methylene chloride	ND	10	9.1	91		8.0	80		70-130	13		20
1,1-Dichloroethane	ND	10	8.3	83		8.0	80		70-130	4		20
Chloroform	ND	10	9.8	98		8.9	89		70-130	10		20
Carbon tetrachloride	ND	10	10	100		8.8	88		63-132	13		20
1,2-Dichloropropane	ND	10	8.5	85		7.7	77		70-130	10		20
Dibromochloromethane	ND	10	8.6	86		8.1	81		63-130	6		20
1,1,2-Trichloroethane	ND	10	21	**210**	Q	23	**230**	Q	70-130	9		20
Tetrachloroethene	ND	10	10	100		9.5	95		70-130	5		20
Chlorobenzene	ND	10	9.3	93		8.8	88		75-130	6		20
Trichlorofluoromethane	ND	10	11	110		10	100		62-150	10		20
1,2-Dichloroethane	ND	10	8.2	82		7.5	75		70-130	9		20
1,1,1-Trichloroethane	ND	10	9.1	91		8.3	83		67-130	9		20
Bromodichloromethane	ND	10	9.2	92		8.0	80		67-130	14		20
trans-1,3-Dichloropropene	ND	10	8.5	85		7.8	78		70-130	9		20
cis-1,3-Dichloropropene	ND	10	8.7	87		7.9	79		70-130	10		20
Bromoform	ND	10	8.3	83		7.2	72		54-136	14		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		9.4	94		67-130	6		20
Benzene	1.3	10	10	87		9.6	83		70-130	4		20
Toluene	8.8	10	12	**32**	Q	14	**52**	Q	70-130	15		20
Ethylbenzene	24	10	18	**0**	Q	23	**0**	Q	70-130	**24**	Q	20
Chloromethane	ND	10	19	**190**	Q	17	**170**	Q	64-130	11		20
Bromomethane	ND	10	12	120		12	120		39-139	0		20
Vinyl chloride	ND	10	9.4	94		8.2	82		55-140	14		20

Matrix Spike Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1526331-6 WG1526331-7 QC Sample: L2138196-02 Client ID: MW-A												
Chloroethane	ND	10	12	120		10	100		55-138	18		20
1,1-Dichloroethene	ND	10	10	100		9.1	91		61-145	9		20
trans-1,2-Dichloroethene	ND	10	10	100		9.4	94		70-130	6		20
Trichloroethene	ND	10	11	110		9.8	98		70-130	12		20
1,2-Dichlorobenzene	ND	10	9.2	92		8.4	84		70-130	9		20
1,3-Dichlorobenzene	ND	10	9.4	94		8.4	84		70-130	11		20
1,4-Dichlorobenzene	ND	10	9.5	95		8.2	82		70-130	15		20
Methyl tert butyl ether	ND	10	9.4	94		8.5	85		63-130	10		20
p/m-Xylene	81	20	55	**0**	Q	71	**0**	Q	70-130	**25**	Q	20
o-Xylene	22	20	28	**30**	Q	31	**45**	Q	70-130	10		20
cis-1,2-Dichloroethene	ND	10	9.1	91		8.7	87		70-130	4		20
Styrene	ND	20	19	95		17	85		70-130	11		20
Dichlorodifluoromethane	ND	10	14	140		12	120		36-147	15		20
Acetone	ND	10	8.5	85		7.3	73		58-148	15		20
Carbon disulfide	ND	10	10	100		9.4	94		51-130	6		20
2-Butanone	ND	10	34	**340**	Q	38	**380**	Q	63-138	11		20
4-Methyl-2-pentanone	ND	10	7.4	74		7.6	76		59-130	3		20
2-Hexanone	ND	10	9.1	91		8.4	84		57-130	8		20
1,2-Dibromoethane	ND	10	8.7	87		8.1	81		70-130	7		20
n-Butylbenzene	10	10	17	70		18	80		53-136	6		20
sec-Butylbenzene	7.0	10	17	100		17	100		70-130	0		20
tert-Butylbenzene	ND	10	10	100		9.2	92		70-130	8		20
1,2-Dibromo-3-chloropropane	ND	10	7.9	79		6.9	69		41-144	14		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1526331-6 WG1526331-7 QC Sample: L2138196-02 Client ID: MW-A												
Isopropylbenzene	6.1	10	14	79		14	79		70-130	0		20
p-Isopropyltoluene	5.5	10	13	75		13	75		70-130	0		20
Naphthalene	14	10	16	**20**	Q	18	**40**	Q	70-130	12		20
n-Propylbenzene	14	10	19	**50**	Q	20	**60**	Q	69-130	5		20
1,2,4-Trichlorobenzene	ND	10	9.4	94		8.3	83		70-130	12		20
1,3,5-Trimethylbenzene	82	10	84	**20**	Q	87	**50**	Q	64-130	4		20
1,2,4-Trimethylbenzene	160	10	140	**0**	Q	150	**0**	Q	70-130	7		20
Methyl Acetate	ND	10	7.5	75		6.4	**64**	Q	70-130	16		20
Cyclohexane	18	10	20	**20**	Q	23	**50**	Q	70-130	14		20
Freon-113	ND	10	11	110		10	100		70-130	10		20
Methyl cyclohexane	55	10	56	**10**	Q	62	70		70-130	10		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	106		104		70-130
Toluene-d8	100		103		70-130

SEMIVOLATILES

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-01
Client ID: MW-5
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 12:40
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/21/21 01:28
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-01 Date Collected: 07/14/21 12:40

Client ID: MW-5 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	42		10-120
4-Terphenyl-d14	63		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-01
Client ID: MW-5
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 12:40
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/20/21 07:25
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-01 Date Collected: 07/14/21 12:40

Client ID: MW-5 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	65		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-02
Client ID: MW-A
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 13:42
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/21/21 06:13
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-02 Date Collected: 07/14/21 13:42

Client ID: MW-A Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	75		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-02
Client ID: MW-A
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 13:42
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/20/21 07:44
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.14		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	11		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.06	J	ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	14		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-02 Date Collected: 07/14/21 13:42

Client ID: MW-A Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	67		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-03
Client ID: MW-3
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 14:33
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/21/21 01:05
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	0.48	J	ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-03 Date Collected: 07/14/21 14:33

Client ID: MW-3 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	62		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-03
Client ID: MW-3
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 14:33
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/20/21 08:04
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.23		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-03 Date Collected: 07/14/21 14:33

Client ID: MW-3 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	63		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-05
Client ID: RW-1
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 15:18
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/21/21 00:41
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-05 Date Collected: 07/14/21 15:18

Client ID: RW-1 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	60		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-05
Client ID: RW-1
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 15:18
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/20/21 08:23
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.08	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-05 Date Collected: 07/14/21 15:18

Client ID: RW-1 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	61		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-06
Client ID: FB-07142021
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 18:00
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/21/21 06:37
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.6	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-06 Date Collected: 07/14/21 18:00

Client ID: FB-07142021 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	62		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-06
Client ID: FB-07142021
Sample Location: 147 STATE ST., MANCHESTER, NY

Date Collected: 07/14/21 18:00
Date Received: 07/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 07/20/21 08:43
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: MANCHESTER **Lab Number:** L2138196

Project Number: Not Specified **Report Date:** 07/22/21

SAMPLE RESULTS

Lab ID: L2138196-06 Date Collected: 07/14/21 18:00

Client ID: FB-07142021 Date Received: 07/15/21

Sample Location: 147 STATE ST., MANCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	66		41-149

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/21 23:07
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG1525302-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/21 23:07
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG1525302-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	82		41-149

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 07/20/21 06:27
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03,05-06 Batch: WG1525306-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 07/20/21 06:27
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 07/19/21 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03,05-06 Batch: WG1525306-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	70		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1525302-2 WG1525302-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Bis(2-chloroethyl)ether	45		47		40-140	4		30
3,3'-Dichlorobenzidine	46		49		40-140	6		30
2,4-Dinitrotoluene	63		72		48-143	13		30
2,6-Dinitrotoluene	58		67		40-140	14		30
4-Chlorophenyl phenyl ether	56		62		40-140	10		30
4-Bromophenyl phenyl ether	56		62		40-140	10		30
Bis(2-chloroisopropyl)ether	44		47		40-140	7		30
Bis(2-chloroethoxy)methane	48		52		40-140	8		30
Hexachlorocyclopentadiene	50		54		40-140	8		30
Isophorone	45		48		40-140	6		30
Nitrobenzene	52		55		40-140	6		30
NDPA/DPA	52		59		40-140	13		30
n-Nitrosodi-n-propylamine	47		51		29-132	8		30
Bis(2-ethylhexyl)phthalate	47		52		40-140	10		30
Butyl benzyl phthalate	49		54		40-140	10		30
Di-n-butylphthalate	46		54		40-140	16		30
Di-n-octylphthalate	44		50		40-140	13		30
Diethyl phthalate	54		58		40-140	7		30
Dimethyl phthalate	56		60		40-140	7		30
Biphenyl	51		56		40-140	9		30
4-Chloroaniline	52		53		40-140	2		30
2-Nitroaniline	57		64		52-143	12		30
3-Nitroaniline	58		60		25-145	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1525302-2 WG1525302-3								
4-Nitroaniline	58		64		51-143	10		30
Dibenzofuran	54		59		40-140	9		30
1,2,4,5-Tetrachlorobenzene	55		61		2-134	10		30
Acetophenone	45		48		39-129	6		30
2,4,6-Trichlorophenol	56		61		30-130	9		30
p-Chloro-m-cresol	54		59		23-97	9		30
2-Chlorophenol	51		53		27-123	4		30
2,4-Dichlorophenol	53		59		30-130	11		30
2,4-Dimethylphenol	36		37		30-130	3		30
2-Nitrophenol	59		64		30-130	8		30
4-Nitrophenol	61		67		10-80	9		30
2,4-Dinitrophenol	79		79		20-130	0		30
4,6-Dinitro-o-cresol	80		85		20-164	6		30
Phenol	37		38		12-110	3		30
3-Methylphenol/4-Methylphenol	52		53		30-130	2		30
2,4,5-Trichlorophenol	60		65		30-130	8		30
Carbazole	58		62		55-144	7		30
Atrazine	70		79		40-140	12		30
Benzaldehyde	43		47		40-140	9		30
Caprolactam	24		26		10-130	8		30
2,3,4,6-Tetrachlorophenol	60		63		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1525302-2 WG1525302-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		49		21-120
Phenol-d6	40		40		10-120
Nitrobenzene-d5	59		65		23-120
2-Fluorobiphenyl	57		61		15-120
2,4,6-Tribromophenol	70		77		10-120
4-Terphenyl-d14	61		70		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1525306-2 WG1525306-3								
Acenaphthene	52		65		40-140	22		40
2-Chloronaphthalene	48		65		40-140	30		40
Fluoranthene	58		68		40-140	16		40
Hexachlorobutadiene	42		56		40-140	29		40
Naphthalene	45		59		40-140	27		40
Benzo(a)anthracene	59		68		40-140	14		40
Benzo(a)pyrene	64		75		40-140	16		40
Benzo(b)fluoranthene	63		72		40-140	13		40
Benzo(k)fluoranthene	66		78		40-140	17		40
Chrysene	64		74		40-140	14		40
Acenaphthylene	49		58		40-140	17		40
Anthracene	58		69		40-140	17		40
Benzo(ghi)perylene	62		70		40-140	12		40
Fluorene	55		66		40-140	18		40
Phenanthrene	55		65		40-140	17		40
Dibenzo(a,h)anthracene	65		75		40-140	14		40
Indeno(1,2,3-cd)pyrene	62		71		40-140	14		40
Pyrene	58		67		40-140	14		40
2-Methylnaphthalene	46		59		40-140	25		40
Pentachlorophenol	66		74		40-140	11		40
Hexachlorobenzene	55		65		40-140	17		40
Hexachloroethane	48		65		40-140	30		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: MANCHESTER

Project Number: Not Specified

Lab Number: L2138196

Report Date: 07/22/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1525306-2 WG1525306-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	40		51		21-120
Phenol-d6	31		36		10-120
Nitrobenzene-d5	49		66		23-120
2-Fluorobiphenyl	54		64		15-120
2,4,6-Tribromophenol	92		101		10-120
4-Terphenyl-d14	56		66		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Client ID: MW-A	Associated sample(s): 01-03,05-06		QC Batch ID: WG1525302-4			WG1525302-5			QC Sample: L2138196-02			
Bis(2-chloroethyl)ether	ND	18.2	7.6	42		8.5	47		40-140	11		30
3,3'-Dichlorobenzidine	ND	18.2	6.7	**37**	Q	6.5	**36**	Q	40-140	3		30
2,4-Dinitrotoluene	ND	18.2	12	66		13	72		48-143	8		30
2,6-Dinitrotoluene	ND	18.2	11	61		12	66		40-140	9		30
4-Chlorophenyl phenyl ether	ND	18.2	9.9	54		10	55		40-140	1		30
4-Bromophenyl phenyl ether	ND	18.2	10	55		11	61		40-140	10		30
Bis(2-chloroisopropyl)ether	ND	18.2	7.7	42		8.5	47		40-140	10		30
Bis(2-chloroethoxy)methane	ND	18.2	8.7	48		9.4	52		40-140	8		30
Hexachlorocyclopentadiene	ND	18.2	9.4J	52		10.J	55		40-140	6		30
Isophorone	ND	18.2	8.1	45		8.7	48		40-140	7		30
Nitrobenzene	ND	18.2	20	110		21	120		40-140	5		30
NDPA/DPA	ND	18.2	9.7	53		10	55		40-140	3		30
n-Nitrosodi-n-propylamine	ND	18.2	8.2	45		9.2	51		29-132	11		30
Bis(2-ethylhexyl)phthalate	ND	18.2	9.6	53		10	55		40-140	4		30
Butyl benzyl phthalate	ND	18.2	9.9	54		11	61		40-140	11		30
Di-n-butylphthalate	ND	18.2	9.4	52		9.5	52		40-140	1		30
Di-n-octylphthalate	ND	18.2	10	55		10	55		40-140	0		30
Diethyl phthalate	ND	18.2	9.5	52		10	55		40-140	5		30
Dimethyl phthalate	ND	18.2	9.6	53		10	55		40-140	4		30
Biphenyl	ND	18.2	9.1	50		9.8	54		40-140	7		30
4-Chloroaniline	ND	18.2	7.8	43		7.7	42		40-140	1		30
2-Nitroaniline	ND	18.2	11	61		12	66		52-143	9		30
3-Nitroaniline	ND	18.2	9.2	51		10	55		25-145	8		30

Matrix Spike Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Client ID: MW-A	Associated sample(s): 01-03,05-06		QC Batch ID: WG1525302-4			WG1525302-5			QC Sample: L2138196-02			
4-Nitroaniline	ND	18.2	9.2	51		10	55		51-143	8		30
Dibenzofuran	ND	18.2	9.4	52		10	55		40-140	6		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	10	55		11	61		2-134	10		30
Acetophenone	ND	18.2	ND	**0**	Q	ND	**0**	Q	39-129	NC		30
2,4,6-Trichlorophenol	ND	18.2	11	61		12	66		30-130	9		30
p-Chloro-m-cresol	ND	18.2	10	55		11	61		23-97	10		30
2-Chlorophenol	ND	18.2	8.6	47		9.9	54		27-123	14		30
2,4-Dichlorophenol	ND	18.2	9.6	53		10	55		30-130	4		30
2,4-Dimethylphenol	ND	18.2	7.5	41		8.1	45		30-130	8		30
2-Nitrophenol	ND	18.2	10	55		11	61		30-130	10		30
4-Nitrophenol	ND	18.2	14	77		16	**88**	Q	10-80	13		30
2,4-Dinitrophenol	ND	18.2	17.J	94		18.J	99		20-130	6		30
4,6-Dinitro-o-cresol	ND	18.2	15	83		16	88		20-164	6		30
Phenol	ND	18.2	6.5	36		7.4	41		12-110	13		30
3-Methylphenol/4-Methylphenol	ND	18.2	9.2	51		10	55		30-130	8		30
2,4,5-Trichlorophenol	ND	18.2	11	61		12	66		30-130	9		30
Carbazole	ND	18.2	10	55		11	61		55-144	10		30
Atrazine	ND	18.2	13	72		16	88		40-140	21		30
Benzaldehyde	ND	18.2	ND	**0**	Q	ND	**0**	Q	40-140	NC		30
Caprolactam	ND	18.2	6.1J	34		5.8J	32		10-130	5		30
2,3,4,6-Tetrachlorophenol	ND	18.2	11	61		12	66		40-140	9		30

Matrix Spike Analysis

Batch Quality Control

Project Name: MANCHESTER

Project Number: Not Specified

Lab Number: L2138196

Report Date: 07/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG1525302-4 WG1525302-5 QC Sample: L2138196-02 Client ID: MW-A												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	68		77		10-120
2-Fluorobiphenyl	54		58		15-120
2-Fluorophenol	46		53		21-120
4-Terphenyl-d14	61		65		41-149
Nitrobenzene-d5	55		64		23-120
Phenol-d6	37		43		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: MANCHESTER
Project Number: Not Specified
Lab Number: L2138196
Report Date: 07/22/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG1525306-4 WG1525306-5 QC Sample: L2138196-02 Client ID: MW-A												
Acenaphthene	0.14	18.2	11	60		13	71		40-140	17		40
2-Chloronaphthalene	ND	18.2	10	55		13	72		40-140	26		40
Fluoranthene	ND	18.2	12	66		13	72		40-140	8		40
Hexachlorobutadiene	ND	18.2	8.9	49		11	61		40-140	21		40
Naphthalene	11	18.2	18	**39**	Q	21	55		40-140	15		40
Benzo(a)anthracene	ND	18.2	13	72		15	83		40-140	14		40
Benzo(a)pyrene	ND	18.2	13	72		16	88		40-140	21		40
Benzo(b)fluoranthene	ND	18.2	13	72		15	83		40-140	14		40
Benzo(k)fluoranthene	ND	18.2	14	77		15	83		40-140	7		40
Chrysene	ND	18.2	11	61		13	72		40-140	17		40
Acenaphthylene	ND	18.2	11	61		13	72		40-140	17		40
Anthracene	ND	18.2	12	66		14	77		40-140	15		40
Benzo(ghi)perylene	ND	18.2	12	66		14	77		40-140	15		40
Fluorene	0.06J	18.2	11	61		14	77		40-140	24		40
Phenanthrene	0.04J	18.2	11	61		13	72		40-140	17		40
Dibenzo(a,h)anthracene	ND	18.2	13	72		16	88		40-140	21		40
Indeno(1,2,3-cd)pyrene	ND	18.2	14	77		16	88		40-140	13		40
Pyrene	ND	18.2	11	61		13	72		40-140	17		40
2-Methylnaphthalene	14	18.2	20	**33**	Q	22	44		40-140	10		40
Pentachlorophenol	ND	18.2	18	99		21	120		40-140	15		40
Hexachlorobenzene	ND	18.2	11	61		13	72		40-140	17		40
Hexachloroethane	ND	18.2	39	**210**	Q	45	**250**	Q	40-140	14		40

Matrix Spike Analysis

Batch Quality Control

Project Name: MANCHESTER

Project Number: Not Specified

Lab Number: L2138196

Report Date: 07/22/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG1525306-4 WG1525306-5 QC Sample: L2138196-02 Client ID: MW-A												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	115		**138**	Q	10-120
2-Fluorobiphenyl	61		75		15-120
2-Fluorophenol	54		71		21-120
4-Terphenyl-d14	61		71		41-149
Nitrobenzene-d5	63		81		23-120
Phenol-d6	45		60		10-120

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2138196-01A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-01B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-01C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-01D	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-01E	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-02A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-02A1	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-02A2	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-02B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-02B1	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-02B2	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-02C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-02C1	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-02C2	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-02D	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-02D1	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-02D2	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-02E	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-02E1	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-02E2	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-03A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-03B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-03C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: MANCHESTER
Project Number: Not Specified

Lab Number: L2138196
Report Date: 07/22/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2138196-03D	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-03E	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-04A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-04B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-04C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-05A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-05B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-05C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-05D	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-05E	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-06A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-06B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-06C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2138196-06D	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2138196-06E	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name:	MANCHESTER	**Lab Number:**	L2138196
Project Number:	Not Specified	**Report Date:**	07/22/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	MANCHESTER	**Lab Number:**	L2138196
Project Number:	Not Specified	**Report Date:**	07/22/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

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

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

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

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	MANCHESTER	**Lab Number:**	L2138196
Project Number:	Not Specified	**Report Date:**	07/22/21

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	MANCHESTER	**Lab Number:**	L2138196
Project Number:	Not Specified	**Report Date:**	07/22/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 7/16/21

ALPHA Job #: L2138196

Client Information

Client: Day Environmental
Address: 1563 Lyell Ave.
Rochester NY 14606
Phone: 585-454-0210
Fax: 585-454-0825
Email: RKampff@daymail.net

Project Information

Project Name: Manchester
Project Location: 147 State St. Manchester NY
Project #: 54745-18
(Use Project name as Project #) ☑
Project Manager: Ray Kampff
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

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

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL + CP-51 8260C VOCs
TCL + CP-51 SVOCs 8270

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+CP-51 8260C VOCs	TCL+CP-51 SVOCs 8270	Sample Specific Comments	Total Bottle
58196 -01	MW-5	7-14-21	12:40	GW	CMC	✓	✓		5
-02	MW-A	7-14-21	13:42		CMC	✓	✓	also run MS/MSD	15
-03	MW-3	7-14-21	14:33		CMC	✓	✓		5
-04	MW-1	7-14-21	14:51		CMC	✓	✗ cmc		3
-05	RW-1	7-14-21	15:18	↓	CMC	✓	✓		5
-06	FB-07142021	7-14-21	18:00	FB	CMC	✓	✓		5

Container Type: cmc ✗ A
Preservative: HCL (B) A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7-15-21 12:05	[signature]	7/16/21 12:45
[signature]	7/15/21 12:05	[signature]	7/16/21 02:05

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

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