

# **Site Management Periodic Review Report**

**August 31, 2020**

***Submitted for:***

Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York  
NYSDEC State Superfund Site No. V00347-1

***Submitted to:***

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09406-01



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## TABLE OF CONTENTS

<b>1</b>	<b>EXECUTIVE SUMMARY .....</b>	<b>2</b>
1.1	Nature and Extent of Contamination.....	2
1.1.1	Source of Contamination in Soil.....	2
1.1.2	Groundwater Impacts .....	2
1.1.3	Soil-Vapor Impacts .....	3
1.2	Remedial History.....	3
1.3	Effectiveness of Remedial Program .....	5
1.4	Compliance .....	5
1.5	Recommendations .....	5
1.6	Schedule of IC/EC Activities for 2020/2021 .....	5
<b>2</b>	<b>BACKGROUND .....</b>	<b>6</b>
2.1	Site History and Uses .....	7
2.2	Environmental History .....	7
2.3	Remedial Program Features.....	10
<b>3</b>	<b>Institutional Control /Engineering Control Plan .....</b>	<b>11</b>
3.1	IC/EC Compliance .....	12
<b>4</b>	<b>Monitoring Plan Compliance .....</b>	<b>16</b>
4.1	Components of Monitoring Plan.....	16
4.2	Summary of Monitoring Completed During Reporting Period .....	17
4.3	Evaluation of Monitoring Results and General Trends .....	18
4.4	Structure Monitoring .....	21
4.5	Monitoring Deficiencies .....	22
4.6	Conclusions and Recommendations .....	23
<b>5</b>	<b>Operation and Maintenance Plan Compliance .....</b>	<b>25</b>
5.1	Components of O&M Plan .....	25
5.2	O&M Operations.....	25

5.3	Conclusions and Recommendations .....	26
<b>6</b>	<b>Evaluation of Remedy Performance, Effectiveness and Protectiveness .....</b>	<b>27</b>
6.1	Compliance with SMP .....	28
6.2	Future PRR Submittals .....	28

## **Figures**

<b>Figure 1:</b>	Site Map
<b>Figure 2:</b>	Site Layout
<b>Figure 3:</b>	Onsite Groundwater Monitoring Well and SVE System Well Cluster Location Map
<b>Figure 4:</b>	Offsite Groundwater Monitoring Well Cluster Map
<b>Figure 5:</b>	Vapor Point Testing Map and Vacuum Measurements

## **Tables**

<b>Table 1:</b>	Groundwater Sampling Data Compendium - Volatile Organic Compounds
<b>Table 2:</b>	December 20, 2019 Quarterly Groundwater Sampling Summary Table
<b>Table 3:</b>	April 8, 2020 Quarterly Groundwater Sampling Summary Table
<b>Table 4A:</b>	August 14, 2020 Compliance Groundwater Sampling CVOC Results Summary
<b>Table 4B:</b>	August 14, 2020 Compliance Groundwater Sampling Ethene Results Summary
<b>Table 4C:</b>	August 14, 2020 Compliance Groundwater Sampling 1,4-Dioxane Results Summary
<b>Table 4D:</b>	August 14, 2020 Compliance Groundwater Sampling PFOA/PFOS Results Summary
<b>Table 5:</b>	2019-2020 Remedial System Operation, Monitoring and Maintenance Data
<b>Table 6:</b>	Remedial System Effluent Analytical Results
<b>Table 7:</b>	Groundwater Monitoring Sampling Reduction Plan

## **Appendices**

<b>Appendix A:</b>	Groundwater Monitoring Event Laboratory Analysis Reports
<b>Appendix B:</b>	Compliance Groundwater Sampling Laboratory Analysis Reports
<b>Appendix C:</b>	SVE Effluent Sampling Event Laboratory Analysis Reports
<b>Appendix D:</b>	Field Forms
<b>Appendix E:</b>	Groundwater Trend Analysis Graphs
<b>Appendix F:</b>	Site Management PRR Notice Institutional and Engineering Controls Certification Form

## **1 EXECUTIVE SUMMARY**

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The site is a 0.686-acre section of a 1.715-acre property located in East Meadow, Nassau County, New York, with a physical address of 2050 Hempstead Turnpike (herein referred to as the “Site”). The Site is currently in the New York State (NYS) Voluntary Cleanup Program (VCP) which is administered by New York State Department of Environmental Conservation (NYSDEC). After completion of the remedial work, some contamination was left at this site, which is hereafter referred to as “remaining contamination”. Institutional and Engineering Controls (ICs and ECs) have been incorporated into the site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. A Site Management Plan (SMP) is a required element of the remedial program for the Site. This report is a summary of recent compliance activities under the scope of the SMP. A site map presenting the subject site and associated property is presented in **Figure 1** and Site Layout Map presenting the Site features is presented in **Figure 2**.

### **1.1 NATURE AND EXTENT OF CONTAMINATION**

#### **1.1.1 Source of Contamination in Soil**

Chlorinated volatile organic compounds (CVOCs) are the contaminants of concern, related to the Melody Cleaners Site. Tetrachloroethylene (PCE) was previously used for clothing dry-cleaning operations and spot removal processes at the Site. Trichloroethylene (TCE) and cis-1,2-Dichloroethylene (cis-1,2- DCE) are two associative chlorinated VOCs that are formed by the natural degradation of PCE. The historical use of the subject Site as a retail dry cleaning facility, with identified chlorinated volatile organic compound CVOc contamination identified in soil and groundwater within footprints of former adjacent onsite leaching structures is evidence that this contamination is related to an on-site release and historic use. Post-remedial residual concentrations of tetrachloroethene (PCE), trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE) were identified in onsite soil and are assumed to be currently present.

#### **1.1.2 Groundwater Impacts**

Residual concentrations of said VOCs in groundwater are still present in onsite and hydraulic offsite saturated media. Elevated concentrations of VOCs in onsite groundwater are present adjacent to the southeastern extent of the former Laundromat process wastewater leaching system and to a lesser



extent, proximal to former Melody Cleaners tertiary sanitary leaching pool. Said VOCs are present in offsite groundwater at concentrations above NYSDEC Part 703 Class GA groundwater quality standards.

### **1.1.3 Soil-Vapor Impacts**

Residual concentrations of said VOCs in onsite soil vapor appear to be constrained to the extent of the southern and eastern sections of the Site, within the footprints of the former Melody Cleaners building, and the current Pecora Bakery, and Laundromat buildings.

## **1.2 REMEDIAL HISTORY**

The following is a summary of the Remedial Actions performed at the Site:

1. Excavation of chlorinated VOC impacted soil and sediment from within the former primary, secondary and tertiary sanitary cesspools associated with former Melody Cleaners operations at concentrations exceeding historic NYSDEC Technical Administrative and Guidance Memorandum No. 4046 (TAGM 4046) soil cleanup objectives and current NYSDEC Part 375-6.8 unrestricted SCOs and USEPA Region Two Underground Injection Control (UIC) Cleanup Objectives. Interim Remedial Measures was implemented in October/November 2000 to mitigate identified impacts from within the former Melody Cleaners primary, secondary and tertiary sanitary cesspools. The IRM process was utilized to prevent further contamination of groundwater from the identified pollution sources. The sediment within and the soil below the primary cesspool (UIW-1) was excavated utilizing a crane to a depth of approximately thirty (30) feet below existing grade. The sediment within and the soil below the secondary cesspool (UIW-2) was excavated utilizing a crane to a depth of approximately thirty-two (32) feet below existing grade. The sediment within and the soil below the tertiary cesspool (UIW-3) was excavated utilizing a crane to a depth of approximately nineteen (19) feet below existing grade. End-point samples were secured from the base of each of the cesspool excavations for laboratory analysis to confirm the effectiveness of the remedial services. PCE concentrations in said post-excavation samples secured from within the primary, secondary and tertiary cesspools were 74 µg/kg, 29 µg/kg and non-detect (ND), respectively, indicative of a significant reduction of chlorinated VOC contamination in unsaturated soil within the former source area. Approximately 492.72 tons of contaminated soil was excavated from the remediated cesspools. The excavated media was handled, transported and disposed of as a hazardous waste in accordance with 6 NYCRR Part 371.

2. Excavation of chlorinated VOC impacted soil and sediment from within seven (7) former industrial process wastewater leaching pools associated with former Laundromat operations at concentrations exceeding historic NYSDEC TAGM 4046 soil cleanup objectives and current NYSDEC Part 375-6.8 unrestricted SCOs/USEPA Region Two UIC Cleanup Objectives Interim Remedial Measures was implemented in November 2004 to mitigate identified impacts from within the former industrial process wastewater leaching pools. The IRM process was utilized to prevent further contamination of groundwater and/or soil-gas from the identified pollution sources. Each of the seven (7) abandoned cesspool structures were accessed utilizing excavating equipment. The bottom sludge/sediment within each of the abandoned leaching structure was evacuated utilizing an industrial vacuum truck. The contaminated sludge/sediment evacuated from the leaching structures was directly transferred from the vacuum truck into approved containers for temporary onsite storage. Approximately 41.11 tons of chlorinated VOC contaminated sediment and soil was reported excavated from said leaching structures. The waste was subsequently transferred onto trucks for transport and disposal to an offsite licensed treatment/disposal facility. The leaching structures were left intact and backfilled to grade after the waste removal activities. Endpoint soil samples were secured from the invert of each former cesspool for laboratory analyses. Based on the results of the laboratory analysis, a significant reduction of contaminant concentrations was observed in soil within the remediated cesspools with solvent-related VOC concentrations detections ranging between 560 µg/kg and 9,400 µg/kg. Chlorinated VOCs detected within four of the seven endpoint soil samples exceeded the applicable standards, criteria and guidance's (SCGs) for soil quality at that time, cited within the NYSDEC, Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives document. The excavated media was handled, transported and disposed of as a hazardous waste in accordance with 6 NYCRR Part 371.

3. Installation of Operation of a Soil Vapor Extraction system, to remove chlorinated VOCs from onsite soil vapor and prevent the offsite migration of residual impacted vapor. Installation and operation of two sub-slab depressurization systems located within and beneath the former Melody Cleaners building, to support and expand upon the vapor extraction currently performed by the active onsite SVE system.

4. Maintenance of a soil cover system consisting of the existing asphalt pavement and building slab and/or building basement floor to prevent human exposure to remaining contaminated soil/fill remaining at the Site;

5. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site;
6. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;
7. Design and implementation of a full scale chemical ISCO injection application within and adjacent to the former Melody Cleaners sanitary septic system and former laundromat industrial process wastewater leaching system. The full-scale ISCO injection event was performed and completed between November 2011 and January 2012. Supplemental “polishing” ISCO injection events were performed and completed in October 2013, in April/May 2015, and in November 2015.

### **1.3 EFFECTIVENESS OF REMEDIAL PROGRAM**

The Engineering and Institutional controls implemented for this site are performing as designed and is achieving the remedial objectives for this site.

### **1.4 COMPLIANCE**

No areas of non-compliance exist for the components of the Site Management Plan, which include the Institutional/Engineering Control Plan, the Monitoring Plan and Operation and Maintenance (O&M) Plan.

### **1.5 RECOMMENDATIONS**

No changes to the frequency for submittal of PRRs.

### **1.6 SCHEDULE OF IC/EC ACTIVITIES FOR 2020/2021**

No alterations to the current IC/EC monitoring plan are expected with the exception of a reduction in the groundwater monitoring plan. Long term monitoring of groundwater and will continue on a revised schedule as proposed in Section 4.6. The SVE and SSDS systems will continue to be operated and the SVE system OM&M plan will continue in accordance with the SMP. However, recommended monitoring work as proposed in this document, will be scheduled and performed after review and approval by the Department.

## 2 BACKGROUND

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The abovementioned Site comprises of a 74,702 square-foot retail shopping center situated at the southwestern intersection of Hempstead Turnpike and Front Street. The surface area of the Site consists of asphalt parking areas and concrete walkways. The Site exhibits low topographic relief (one to three percent slopes). The elevation of the Site, as presented on the United States Geologic Survey (USGS), Freeport Quadrangle Map, approximates eighty-five (85) feet above mean sea level. Regional groundwater flow direction within and/or proximal to the Site is toward the apparent south. The water table is encountered at approximately thirty-five feet below grade.

The shopping center contains six single-story buildings that are currently utilized by separate tenants including:

- 2050 Hempstead Turnpike: Former retail dry-cleaning facility (*Melody Cleaners*) – single building. Current building usage consists of retail restaurant (*Duncan Donuts*) operations within the northern section of the building. The central and southern sections of said building are currently unoccupied;
- 2056 Hempstead Turnpike: *Miami Car Wash* (retail automotive wash and detail facility – automotive washing facility building with an accessory automotive detail building);
- 2080 Hempstead Turnpike: *Arby's* (retail restaurant facility – single building);
- 2045 Front Street: *Landmark Wash n Dry* (retail laundromat facility – single building); and
- 2055 Front Street: *Pecora Bakery* (retail restaurant facility – single building).

The Site is an approximately 0.686-acre area bounded by Hempstead Turnpike (New York State Route 24) and further by retail properties to the north, Front Street (New York State Route 102) and further by retail and residential properties to the south, Front Street (New York State Route 102) and further by retail and residential to the east, and retail properties to the west. One elementary school (McVey Elementary School) is located approximately one thousand and six hundred feet south of the Site, and the East

Meadow Water Supply District property is located approximately two thousand feet south-southeast of the Site.

The location of the Site is referenced in **Figure 1**. The Site and property boundaries, existing structures, features are presented in **Figure 2**.

## 2.1 SITE HISTORY AND USES

Retail development of the Site into a retail shopping center reportedly occurred between 1957 and 1961. Prior use of the Site was reported as predominately vacant land with a potential residential and/or minor retail structure reportedly constructed in 1948. The Site is currently owned by Capparelli Properties, Ltd, located at 286 Roosevelt Way in Westbury, New York. Capparelli Properties Ltd. reported purchased the property on March 1, 2006 from the previous property owner, Lowden Family Trust. Future use is anticipated to continue for retail operations.

## 2.2 ENVIRONMENTAL HISTORY

- Contamination was first identified at the site in October 1999.
- The former Site owner (Lowden Family Trust, d/b/a Lowden Properties) entered into a Voluntary Cleanup Program (VCP) Agreement (Agreement Index No. D1-0001-00-07) with NYSDEC on July 18, 2000. The Site was summarily registered into the NYSDEC VCP (VCP Site No. 00347-1)
- A Remedial Investigation and subsequent Remedial actions and Interim Remedial Measures was conducted between 2000 and 2009 in accordance with the protocols and methods as established in the following Department-approved documents:
  - *October 2000, Interim Remedial Measures Work Plan*: Remediation of impacted soil and sediment within the former primary, secondary and tertiary sanitary cesspools associated with former Melody Cleaners operations.
  - *July 2004, Interim Remedial Measures Work Plan*: Remediation of impacted soil and sediment within seven (7) former industrial process wastewater leaching pools associated with former Laundromat operations.
  - *July 2004, Interim Remedial Measures Soil Vapor Extraction Work Plan*: Remediation of onsite impacted soil vapor with concurrent offsite vapor migration mitigation.

- *October 2011, Revised Full Scale ISCO Work Plan:* Remediation of onsite groundwater impacts by in-situ chemical oxidation.
- *October 2013, Final Supplementary ISCO Work Plan:* Continuation of onsite groundwater remediation by in-situ chemical oxidation.
- The following is a summary of the Remedial Actions performed at the Site:
  - Excavation of chlorinated VOC impacted soil and sediment from within the former primary, secondary and tertiary sanitary cesspools associated with former Melody Cleaners operations at concentrations exceeding historic NYSDEC Technical Administrative and Guidance Memorandum No. 4046 (TAGM 4046) soil cleanup objectives and current NYSDEC Part 375-6.8 unrestricted SCOs and USEPA Region Two Underground Injection Control (UIC) Cleanup Objectives. Approximately 492.72 tons of contaminated soil was excavated from the remediated cesspools.
  - Excavation of chlorinated VOC impacted soil and sediment from within seven (7) former industrial process wastewater leaching pools associated with former Laundromat operations at concentrations exceeding historic NYSDEC TAGM 4046 soil cleanup objectives and current NYSDEC Part 375-6.8 unrestricted SCOs/USEPA Region Two UIC Cleanup Objectives. Interim Remedial Measures was implemented in November 2004 to mitigate identified impacts from within the former industrial process wastewater leaching pools. Approximately 41.11 tons of chlorinated VOC contaminated sediment and soil was reported excavated from said leaching structures.
  - Installation of Operation of a Soil Vapor Extraction system, to remove chlorinated VOCs from onsite soil vapor and prevent the offsite migration of residual impacted vapor. Two additional sub-slab depressurization systems (SSDS) were pro-actively installed within and beneath the former Melody Cleaners building to enhance the current SVE system, and as a safety measure to protect the employees and customers from potential residual contaminant infiltration once approval is granted to permanently shut down the Site SVE remediation system.
  - Maintenance of a soil cover system consisting of the existing asphalt pavement and building slab and/or building basement floor to prevent human exposure to remaining contaminated soil/fill remaining at the Site;

- Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site.
- Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.
- Design and implementation of a full scale chemical ISCO injection application within and adjacent to the former Melody Cleaners sanitary septic system and former laundromat industrial process wastewater leaching system. The full-scale ISCO injection event was performed and completed between November 2011 and January 2012. Supplemental “polishing” ISCO injection events were performed and completed in October 2013, in April/May 2015, and in November 2015.
- Chlorinated VOCs are the contaminants of concern, related to the Melody Cleaners Site. Tetrachloroethylene (PCE) was previously used for clothing dry-cleaning operations and spot removal processes at the Site. Trichloroethylene (TCE) and cis-1,2-Dichloroethylene (cis-1,2- DCE) are two associative chlorinated VOCs that are formed by the natural degradation of PCE. Said VOCs are the primary contaminants of concern, originating from the Site.
- Residual concentrations of said VOCs are assumed still present in shallow onsite soil beneath the Melody Cleaners building and potentially beneath the excavation extent of the former Melody Cleaners sanitary leaching system and former laundromat process wastewater leaching system.
- Residual concentrations of said VOCs in onsite soil vapor appear to be constrained to the extent of the southern and eastern sections of the Site, within the footprints of the Melody Cleaners, Pecora Bakery, and Laundromat buildings. Continual operations of the onsite SVE remediation system appears to be successful in extracting said vapors from onsite unsaturated soil and preventing said contaminated media from migrating offsite.
- Residual concentrations of said VOCs in groundwater are still present in onsite and hydraulic offsite saturated media. Elevated concentrations of VOCs in onsite groundwater are present adjacent to the southeastern extent of the former Laundromat process wastewater leaching system and to a lesser extent, proximal to former Melody Cleaners tertiary sanitary leaching pool. Said VOCs are present in offsite groundwater at concentrations above NYSDEC Part 703 Class GA groundwater quality standards.

Supplementary ISCO chemical injections within existing onsite injection well clusters may be required to control chlorinated VOC concentrations in onsite and/or offsite groundwater, based on the results of periodic groundwater monitoring events.

### **2.3 REMEDIAL PROGRAM FEATURES**

The Remedial Investigation Report, dated February 25, 2009, has the selected remedy. The Remediation Plan, dated March 2, 2010, details the in-situ chemical oxidation plan. The Soil Vapor Extraction Work Plan, dated July 2004, details the plan to install the system as an interim remedial measure. A full scale in-situ chemical oxidation work plan, dated October 7, 2011, was approved. Subsequent in-situ chemical oxidation activities were performed to further reduce Site contamination.

The following are components of the selected remedy:

1. Operation of an onsite Soil Vapor Extraction (SVE) system.
2. In-situ chemical oxidation injection activities to reduce the contaminant mass.
3. Maintenance of the cover system which is comprised of concrete-covered sidewalks, paved parking areas and concrete building slabs. The concrete building slabs are approximately 6 inches thick; the paved parking areas are approximately 6-8 inches thick. The paved parking area cover is considered equivalent to 1 foot of clean soil cover.
4. Implementation of a Site Management Plan (SMP) for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) an evaluation of onsite and offsite groundwater monitoring results to determine if remedial action is necessary, (3) operations and maintenance of engineering controls and associated monitoring, and (4) reporting.
5. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination on site.
6. Periodic certification of the institutional and engineering controls listed above.



### 3 INSTITUTIONAL CONTROL /ENGINEERING CONTROL PLAN

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The IC and ECs used at the Site require certification to document performance and effectiveness in compliance with the SMP. The periodic certifications are used to ensure that: 1) the controls are unchanged since they were put in place; 2) the controls are effective and performing as designed; 3) nothing has occurred to impede the IC/ECs ability to protect human health and the environment; and 4) nothing has occurred that constitutes a violation or failure to comply with the operation and maintenance (O&M) plan and/or monitoring for said controls. The following tables provide a summary of the IC/ECs.

<b>Summary of Institutional Controls</b> Former Melody Cleaners Facility 2050 Hempstead Turnpike, East Meadow, New York NYSVCP Site No.: V-00347-1	
1. The property may be used for commercial, and industrial uses;	
2. Listed ICs include:	
	<ul style="list-style-type: none"><li>i. The Controlled Property may be used for: Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)</li><li>ii. All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP)</li><li>iii. All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP</li><li>iv. The use of groundwater underlying the property is prohibited without necessary water quality treatment (as determined by the NYSDOH to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department</li><li>v. Groundwater and other environmental or public health monitoring must be performed as defined in the SMP</li><li>vi. Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP</li></ul>

<b>Summary of Institutional Controls</b> Former Melody Cleaners Facility 2050 Hempstead Turnpike, East Meadow, New York NYSVCP Site No.: V-00347-1	
vii.	All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP
viii.	Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.
ix.	Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP
x.	Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement

<b>Summary of Engineering Controls</b> Former Melody Cleaners Facility 2050 Hempstead Turnpike, East Meadow, New York NYSVCP Site No.: V-00347-1	
1.	Soil Vapor Extraction System
2.	Sub-Slab Depressurization Systems
3.	Supplementary ISCO Chemical Injections
4.	Cover System

### 3.1 IC/EC COMPLIANCE

The following is a brief description of the IC/ECs, the applicable objectives, how the control performance is evaluated:

- The controlled property use is limited to, commercial or industrial use. The objective of the controlled use is to manage exposure to contamination remaining at the Site with a goal to protect

human health and the environment. The current use of the Site complies with the environmental easement IC.

- The use of groundwater beneath the Site is prohibited. The applicable environmental and health regulatory agencies require approval for groundwater use with obligatory treatment. The limitation on groundwater use is to manage exposure to contamination remaining at a site with a goal to protect human health and the environment. Groundwater from beneath the Site is not used, and the Site is connected to the Town of Hempstead potable water system which complies with the control.
- The Site is subject to the requirements of the approved SMP document which details the ICs and ECs required as well as the associated physical components required for the operation and maintenance (O&M) and monitoring of the controls to ensure continued effectiveness for the management of exposure to contamination remaining at the Site. The SMP provides for the periodic inspection of the controls, O&M of a soil vapor extraction (SVE) system, the monitoring of indoor air and groundwater through sample collection and analysis. The Site is in compliance with the SMP required inspections, O&M, and monitoring requirements.
- The monitoring plan details the periodic sampling and analysis procedures of media with comparison of data to applicable standards and field data collection to assess the performance and effectiveness of the remedy. The monitoring plan for the Site, as detailed in the SMP, includes the:
  - SVE System: weekly collection of SVE system field data (i.e., vacuum, PID), and carbon breakthrough data, monthly collection and laboratory analysis of SVE system pre-carbon and post-treatment recovered vapor, and annual sub-slab vapor/indoor air sample collection and analysis
  - Groundwater Monitoring: quarterly analysis of groundwater from twenty-seven (27) onsite and off-site wells comprising the monitoring network, with concurrent geochemical/physical measurements of groundwater parameters. monitoring wells.
  - SSDS System: Conduct monthly monitoring of the operating SSDS system in compliance with the SMP.

The Site monitoring was performed in compliance with the monitoring plan requirements.

- An O&M Plan provides details for the operation, monitoring and maintenance for mechanical ECs present at a Site. The SVE system operation at the Site is operated 24-hours per day/7days per week and is monitored on a weekly basis during an inspection to assess function. Field vacuum and PID measurements are collected weekly, and SVE system and indoor air samples are collected and analyzed annually to evaluate system effectiveness. The carbon filters are replaced when breakthrough has occurred as indicated by weekly system field measurements and as confirmed by monthly system effluent sample collection and analysis. The Site O&M plan was implemented at the Site in compliance with the SMP and monitoring plan requirements.
- A cap or cover system on a Site prevents exposure to contaminants remaining in soil beneath the Site. At the Site, the cover system is comprised of concrete-covered sidewalks, parking areas and the building concrete slab, as well as asphalt paved areas. The Site cover system is inspected annually. The inspections have indicated that the cover system has not been breached and is in compliance with the SMP.
- The operation of the SVE system at a Site is to address soil vapor migration into adjacent site buildings and offsite locations, and to remediate residual contamination within onsite soil. The SVE system at the Site is operable and consists of a Gast model R6P355R-50 6-horsepower blower, capable of inducing an airflow velocity of approximately 220 CFM at approximately 30 inches of H<sub>2</sub>O, was installed to provide soil vapor extraction (SVE) at the Site. Piping from the vapor extraction lines was connected to the blower through a manifold and a moisture separator unit. The SVE system blower effluent is routed to two (2) carbon units before discharging to the atmosphere via an eight (8) inch diameter PVC vent stack that extends to a height of 20 feet above grade. Four (4) shallow/deep sets of 2-inch diameter soil vapor extraction wells installed within the source area (SVE-1 cluster) and surrounding the source area (SVE-2, SVE-3 and SVE-4 well clusters) at depths 2 to 20 feet below Site grade (shallow) and 22 to 42 feet below Site grade (deep). Each dual level well was finished at grade in a two (2) foot square manhole set in a concrete pad. A manifold in each manhole connects both well levels to horizontal piping that extends to the system housing. The wellhead manifold has valves to control, and ports to monitor individual flows, vacuums, and vapor concentrations from each well depth. Each of the dual level wellhead manifolds is connected to a main system manifold via three (3) inch diameter Schedule-40 PVC piping. Said piping was installed within a trench to minimum depth of two (2) feet below grade from the SVE wells extending to the system housing. The SVE blower discharge is piped from the system trailer to two (2) Envirotrol model VPM-2000 vapor phase granular activated carbon (GAC) vessels. Each GAC vessel is rated for a maximum flow rate of 800

CFM and is filled with approximately 2,000 lbs. of 4 X 10 mesh, reactivated carbon. The GAC vessels are connected in series utilizing six (6) inch heat rated flexible hose fitted with cam and groove hose couplings. Said couplings facilitate the change of lead-lag positions of the GAC vessels, if necessary. After treatment, the SVE system effluent is discharged through a six (6) inch diameter schedule 40 PVC stack extending to an elevation of 20 feet above grade. Sampling ports were installed before carbon, between vessels, and after carbon treatment. Carbon change frequency is based on operational SVE data and monthly laboratory air discharge sampling data. The SVE system is shut down and secured during the carbon change procedure. Each GAC vessel has an 18-inch diameter steel access cover on top through which spent carbon is removed & reactivated carbon is placed.

## 4 MONITORING PLAN COMPLIANCE

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### 4.1 COMPONENTS OF MONITORING PLAN

This Monitoring Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. The Monitoring Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance (SCGs), particularly groundwater standards and Part 375 SCOs for soil; and
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment;

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Sampling locations, protocol and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Site Identification:	Site No.: V00347-1 – Former Melody Cleaners Site, 2050 Hempstead Turnpike, East Meadow, New York
Inspections:	Frequency
Cover System Inspection	Annually
SVE System Monitoring:	Between Weekly to Quarterly
System Inspection, performance & breakthrough evaluation	Weekly
System Effluent Sample Collection	Monthly

Site Identification:	Site No.: V00347-1 – Former Melody Cleaners Site, 2050 Hempstead Turnpike, East Meadow, New York
Sub-Slab Vapor/Indoor Evaluation from adjacent buildings	Annually
<b>Groundwater Quality Monitoring:</b> Collection field measurements and collect/analyze samples from monitoring network wells for VOC content	Quarterly
<b>SSDS System Inspection:</b>	Monthly

#### 4.2 SUMMARY OF MONITORING COMPLETED DURING REPORTING PERIOD

The following provides a summary of the controls implemented at the site, as well as monitoring, and reporting activities required by the Site Management Plan.

- Conducted weekly SVE system measurements, SVE system component inspections and evaluation of the SVE system performance and potential carbon breakthrough screening.
- Conducted SVE effluent sampling, from the system blower (prior to vapor-phase carbon pretreatment) and post-treatment (from the system effluent discharge stack, on November 14, 2019, January 31, 2020, February 28, 2020, March 23, 2020, April 30, 2020, June 30, 2020 and July 31, 2020. SVE was also completed on August 28, 2020; however, the laboratory results were not ready for inclusion in this report.
- Annual SVE System overhaul maintenance was performed in March 2020. System maintenance tasks included change-out of vapor inlet filters, replacement of damaged sections of effluent hoses and Fernco fittings, and removal of sludge from the interior of the system blower.
- SVE system repairs were completed to replace the blower motor electrical panel relays (September 2020), moisture knock out tank replacement (May 2020) and repair of burned out blower motor connection causing electric phase drop (August 2020).
- Inspections of the Melody Cleaners building SSDS system were performed monthly, concurrent with one of the weekly SVE system measurements.

- Quarterly groundwater sampling events were performed on December 20, 2019 and April 8, 2020. Due to the Covid – 19 shutdown that started in March of 2020, the first quarter 2020 groundwater sampling event was pushed into April 2020. The second quarter (June) 2020 groundwater sampling event could not be completed since the diffusion bags supplier was not able to ship the materials until August. The next sampling event will be performed in September 2020. Compliance groundwater sampling for emerging contaminants, select CVOCs and ethene was completed on August 14, 2020.
- An Annual Site Inspection was performed on August 14, 2020.

#### 4.3 EVALUATION OF MONITORING RESULTS AND GENERAL TRENDS

**Quarterly Groundwater Events:** The results of the 2019 and 2020 quarterly groundwater sampling events are summarized below:

##### *Source Area Monitoring Wells IW-1D, IW-3D, MLW-1IS, MLW-1ID:*

The abovementioned wells are located within the former source areas associated with the Site. PCE concentrations are among the most elevated within the monitoring network at these locations. A review of the monitoring data from this review period in concert with a review of historic data indicates a cyclical pattern of increasing and decreasing concentrations, with a gradual decrease in concentration. Data obtained from the December 2019 monitoring event indicated a decrease in PCE concentrations with a slight increase in IW-1D, IW-3D and MLW-1IS; however, the PCE concentration in MLW-1ID is consistent and some low concentrations of degradation compounds were also detected.

##### *Onsite Monitoring Wells SVE-1, SVE-2 and IW-2D:*

CVOC concentrations in said wells have trended downward in CVOC concentrations, to below groundwater standard concentrations on a continual basis.

##### *Offsite Monitoring Wells Network:*

A review of the monitoring data from this review period in concert with a review of historic data indicates a steady CVOC concentration pattern, with periodic gradual increases and decrease in concentrations. Overall, it appears to be a slight downward trend in CVOC concentrations, but the change is very slight; continual monitoring is required. However, groundwater samples collected from offsite wells MW-8S and



MW-9D have continually been at concentrations below groundwater quality standards. Monitoring well cluster MW-6 appears to not have been affected from onsite releases and appears to be located side gradient of the CVOC contaminant plume. Some degradation compounds were also detected off-Site.

The tabulated historic groundwater monitoring event data is presented in **Table 1**. The December 20, 2019 groundwater data is summarized on **Table 2** and the **April 8, 2020** groundwater data is summarized on **Table 3** and the associated laboratory reports are presented in **Appendix A**. The onsite groundwater monitoring well and SVE system well cluster locations are shown on **Figure 3** and **Figure 4** shows the locations of the offsite groundwater monitoring well clusters.

**Compliance Groundwater Sampling Event:** The results of the August 14, 2020 compliance groundwater sampling event are summarized below:

*Compliance Groundwater Sampling for Source Area Wells IW-3D and MLW-1IS, On-Site Well SW-1 and Off-Site Wells MLW-8D and MLW-9I:*

On August 14, 2020, the referenced wells were sampled for CVOCs, ethene and the emerging contaminants 1,4-dioxane and NY PFAS compounds (PFOA and PFOS). The CVOC PCE was detected at concentrations of 320 µg/l and 450 µg/l in source area wells *IW-3D* and *MLW-1IS*, respectively, and was below the below groundwater quality standards in SW-1. The PCE detected in off-Site wells MLW-8D and MLW-9I were at concentrations of 8.8 µg/l and 63 µg/l, respectively. Trichloroethene was detected above the AWQS in off-Site well MLW-9I at 9.6 µg/l and cis-1,2-dichloroethene was detected above the AWQS in off-Site well MLW-8D at a concentration of 9.6 µg/l. These samples were collected using standard groundwater sampling, not the diffusion bags which are typically used to collect the quarterly groundwater samples. Refer to **Table 4A** for a summary of the select CVOCs detected. The Laboratory report is provided in **Appendix B**.

Ethene was only detected in well SW-1 at a low concentration of 1.89 µg/l. Refer to **Table 4B** for a summary of the ethene data. The Laboratory report is provided in **Appendix B**.

The emerging contaminant 1,4-dioxane was detected in sample source area well MLW-1IS, and off-Site wells MLW-8D and MLW-9I at concentrations below the NYS Drinking Water maximum contaminant level (MCL). Refer to **Table 4C** for a summary of the 1,4-dioxane data. The Laboratory report is provided in **Appendix B**.

The emerging contaminants PFOA/PFOS were detected at concentrations above the NYS Drinking Water MCL in source area well MLW-1IS and off-Site well MLW-9I at concentrations of 46.7 and 18.8 ng/l. The concentrations detected in the remaining wells were below the NYS Drinking Water MCL. Refer to **Table 4D** for a summary of the PFOA/PFOS data. The Laboratory report is provided in **Appendix B**.

PFAS were not typically used by the dry-cleaning industry; but there is the potential that PFAS was part of a waste stream resulting from the laundering of fabrics at drycleaners. PFAS treated fabrics and fabrics laundered with fabric softener are sources and there is the potential of other sources in the area such as laundromat. Although the PFAS concentrations detected in source area well MLW-1IS and off-Site well MLW-9I are above the NYS Drinking Water MCL, the concentrations are not indicative of a significant release. The cluster well MLW-6 located on the eastern extent of the off-Site contaminant plume is considered a sentinel well for well head protection of a downgradient municipal well and should be sampled for PFAS.

#### **SVE System Performance Monitoring:**

A review of the system performance from its installation/inception to the current monitoring period indicates a gradual reduction in CVOC mass. It appears that this may be due to the effectiveness of the SVE system and supplemental remedial activities. The SVE system continues to remove CVOC vapor from the substratum, but at a reduced effect. It appears that the system performance may be trending towards asymptotic conditions, but future evaluation is warranted.

The recorded SVE weekly measurements are presented in **Table 5**. The tabulated monthly SVE system effluent sampling events are presented in **Table 6**, and the resultant laboratory analysis reports related to the effluent sampling are presented in **Appendix C**.

#### **SSDS System Performance Monitoring:**

Testing and repairs of the vapor points were completed August 25 – 27, 2020. Vacuum measurements were collected from the vapor points in the vacant section of the former Melody Cleaners and Dunkin Donuts tenant space on September 3, 2020 to verify the efficacy of the sub-slab depressurization systems (SSDSs). Vacuum measurements were collected using a digital manometer. There are ten (10) vapor points in the former Melody (vacant) section of the building designated VP-1 through VP-10 and there are five (5) vapor points in the Dunkin Donuts tenant space designated VP-11 through VP-15. The vacuum

measurements were collected with the SVE system on and they with the SVE off. Refer to **Appendix D** for field forms.

The vacuum measurements with the SVE system on for the vacant section of the former Melody Cleaners portion of the building ranged from 0.00 inches of water at vapor points VP-3 and VP-4 to -0.1210 inches of water at VP-8. The vacuum measurements with the SVE system off for the vacant section of the former Melody Cleaners portion of the building ranged from 0.00 inches of water at vapor points VP-3 and VP-4 to -0.1120 inches of water at VP-8. The vacuum measurements with the SVE system on for the Dunkin Donuts section of the building ranged from -0.0210 inches of water at vapor point VP-15 to -0.610 inches of water at VP-14. The vacuum measurements with the SVE system off for the Dunkin Donuts section of the building ranged from -0.0130 inches of water at vapor point VP-15 to -0.640 inches of water at VP-14. Refer to **Figure 5** for the vapor point locations and vacuum measurements.

It appears that the SSDS systems are currently meeting their remedial objectives in preventing CVOC vapors outside the SVE vacuum radius from entering the building based on the measurements from thirteen of the fifteen vapor points. The exception being vapor points VP-3 and VP-4 in the vacant section of the building where no vacuum was measured with the SVE system on and off. These vapor points are located at the southwest corner of the vacant section of the building in and near the bathroom. There is the potential for plumbing infrastructure and/or the building foundation to create a preferential pathway for air to enter the sub-slab area in this section of the building. Also, the presence of tight soils can impede the vacuum. Annual sub-slab vapor/indoor air sampling will be completed for verification during the 2020-2021 heating season.

#### 4.4 STRUCTURE MONITORING

The annual sub-slab vapor/indoor air monitoring event will be performed within the onsite buildings during the 2020-2021 heating season per the request of the NYSDEC and NYSDOH. In preparation of the annual sub-slab vapor/indoor sampling, the vapor pins were helium tested in August 2020 to validate integrity. Six (6) of the vapor sampling points failed helium testing and were replaced and new vapor pin implants were installed in the car wash, bakery and laundromat. The newly installed vapor pins were tested for integrity and passed. Additionally, minor repairs were made to the coupling of one of the blowers for the SSDS

Sub-slab vapor samples, indoor air samples and outdoor ambient air samples will be collected in 6 Liter summa canisters fitted with 24 hour laboratory calibrated regulators. The sampling event will consist of the collection and laboratory analysis of indoor air samples, sub-slab vapor samples plus a duplicate and an outdoor air sample throughout the building for analytical method TO-15 for CVOCs.

During the previous annual sampling event, elevated concentrations of PCE was detected adjacent to the source area within the laundromat and bakery buildings; however, PCE concentrations were below NYSDOH ambient air guideline concentrations. The Annual System Performance Testing Results will be tabulated and submitted under separate cover. The new sampling data will be compared with the previous data and the effectiveness of the SVE well cluster covering the building footprints will be evaluated.

#### **4.5 MONITORING DEFICIENCIES**

Several monitoring deficiencies were noted during the reporting period. These deficiencies are associated to a late first quarter 2020 groundwater sampling event resulting from the Covid-19 shut down, and the diffusion bag supply interruption which prevented the completion the second quarter (June) 2020 groundwater sampling event.

There were also deficiencies in the collection of the monthly system effluent samples for laboratory analysis for August, September, October and December 2019 and for May 2020. The deficiencies in the monthly system effluent sample for August/September 2019 was related to the temporary shutdown of the SVE system for electrical repairs and the May 2020 deficiency was related to a system repair where the moisture knock out tank and associated piping required replacement. The October and December 2019 monthly system effluent samples were not collected due to scheduling changes.

Additionally, the annual vapor intrusion samples with corresponding building pressure readings were not completed during the 2019-2020 timeframe covered by this PRR; however, this sampling event will be completed during the 2020-2021 heating season.

## 4.6 CONCLUSIONS AND RECOMMENDATIONS

Groundwater sampling/monitoring activities have been performed on a quarterly basis to evaluate the continued degradation and decrease of dissolved phase CVOCs in on-Site and off-Site groundwater. Overall, there has been a decreasing trend in the CVOC concentrations, and the data does not indicate the dissolved-phase plume is expanding/migrating. There appears to be fairly steady CVOC concentrations with periodic gradual increases and decreases in concentrations closer to the source area. The distribution of PCE in the off-Site wells remains concentrated along the center line of the plume at the intermediate well intervals. The concentrations of PCE in the deep off-Site wells remain low and below the NYSDEC 703 Class GA AWQS. Based on the review of the groundwater data, the PCE concentrations within the contaminant plume appear to be generally consistent indicating the plume is steady state. Since CVOC concentrations in groundwater continue to be above the NYSDEC AWQS, continued monitoring is required.

The monitoring well cluster MLW-6 is a sentinel well for the protection of two municipal wells to the east which are sensitive receptors. The data does not indicate there is contaminant plume migration to the east and the intermittent CVOC concentrations detected in the MLW-6 well cluster continue to be very low and below the NYSDEC AWQS. The municipal wells have not been affected from the on-Site releases.

PFAS concentrations detected in source area well MLW-1IS and off-Site well MLW-9I are above the NYS Drinking Water MCL. Although the concentrations are not indicative of a significant release. Since cluster well MLW-6 located on the eastern extent of the off-Site contaminant plume is considered a sentinel well for well head protection of downgradient municipal wells and should be sampled for PFAS.

Based on a review of the historical and current groundwater conditions on and off the Site, changes to the groundwater monitoring program are warranted. IEC is proposing a reduction in the frequency of sampling at six wells from quarterly to annual sampling and the removal of nine wells from the monitoring program. A total of thirteen wells are proposed for continued biannual groundwater sampling. Refer to **Table 7** for a summary of the proposed well sampling reduction plan. Trend analysis graphs for the monitoring wells are provided in **Appendix E** to support the changes to the groundwater monitoring program.

The SSDS system located within the southern section of the Melody Cleaners building will continue to be online until the annual performance retest is performed and associated data is evaluated. The permanent sub-slab implants (vapor points) in the former Melody Cleaners/Dunkin Donuts building, the car wash, bakery and laundromat will be sampled in conjunction with the collection of indoor air samples during the 2020-2021 heating season in accordance with the NYSDOH soil vapor intrusion guidance. The results submitted under separate cover.

A review of the SVE system performance from 2018 to the current monitoring period covered by this PRR indicates a gradual reduction in CVOC mass. The system monitoring influent and effluent laboratory results will be evaluated to determine when carbon changes are warranted.

## 5 OPERATION AND MAINTENANCE PLAN COMPLIANCE

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The Operation and Maintenance Plan provides a brief description of the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the site. The Operation and Maintenance Plan:

- Includes the procedures necessary to allow individuals unfamiliar with the site to operate and maintain the SVE and SSDS systems;
- Will be updated periodically to reflect changes in site conditions or the manner in which the SVE and SSDS systems are operated and maintained.

### 5.1 COMPONENTS OF O&M PLAN

Site Identification:	Site No.: V00347-1 – Former Melody Cleaners Site, 2050 Hempstead Turnpike, East Meadow, New York
<b>Maintenance:</b>	
SVE system	Replace GAC units and affix repairs to system components, with detailed system component review as the system ages.
SSDSs	Affix repairs to system components and verify vacuum measurements.

### 5.2 O&M OPERATIONS

A review of the SVE system performance from 2018 to the current monitoring period covered by this PRR indicates a gradual reduction in CVOC mass. The system flow appears to have increased toward the end of this reporting period based on the weekly OM&M data collected. The PID readings for the influent also demonstrated a slight uptick in the recovery. The system was down for several days in August 2019 for repairs to an electrical relay and for one day in March 2020 for system equipment repairs (replacement of piping couplings). The system was down for approximately one week in May 2020 for the replacement of the moisture knock out tank and related piping. This system is older and continues to remove CVOC vapor from the substratum, but at a reduced effect in comparison to when the system was started. The laboratory analysis of the SVE system influent samples (prior to treatment) indicate the continued low recovery of CVOCs (Table 6). Due to the age of the SVE system, performance may be trending towards asymptotic conditions and will be evaluated.

The SVE system monitoring results indicate the continued removal of the contaminant mass and the laboratory analysis of the SVE system influent and effluent samples will determine when carbon changes are warranted. During this past year, no carbon changes were required as data did not indicate breakthrough or approaching breakthrough for the carbon treatment system. No SVE O&M deficiencies were noted during this reporting period. Refer to **Appendix D** for field forms.

The SSDSs will continue to be online until the annual performance retest is completed and associated data is evaluated. The SSDSs are currently meeting their remedial objectives based on the vacuum measurements collected on September 3, 2020. No vacuum readings were measured at vapor points VP-3 and VP-4 in the vacant section of the building. These vapor points are located at the southwest corner of the vacant section of the building in and near the bathroom. There is the potential for plumbing infrastructure and/or the building foundation to create a preferential pathway for air to enter the sub-slab area in this section of the building. Also, the presence of tight soils can impede the vacuum. Vacuum measurements will be collected prior to the 2020-2021 heating season vapor intrusion monitoring.

### **5.3 CONCLUSIONS AND RECOMMENDATIONS**

No changes are recommended to the O&M compliance plan.



## **6 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS**

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Based on the results of the Remedial Investigation, the following Remedial Action Objectives were identified for this site.

### **Soil**

#### **RAOs for Public Health Protection**

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure to, contaminants volatilizing from contaminated soil.

#### **RAOs for Environmental Protection**

- Prevent migration of contaminants that would result in groundwater, surface water, and/or sediment contamination.

### **Soil Vapor**

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the site.

#### **Groundwater RAOs for Public Health Protection**

- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.
- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards

#### **RAOs for Environmental Protection**

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Remove the source of ground or surface water contamination.

## 6.1 COMPLIANCE WITH SMP

All requirements of the SMP; including the IC/EC Plan, Monitoring Plan and OM&M Plan were in compliance during the reporting period with the exception of the monitoring deficiencies identified in Section 4.5.

Periodic groundwater sampling/monitoring activities indicate there is an overall decreasing trend in the CVOC concentrations, and the data does not indicate the dissolved-phase plume is expanding/migrating. Based on a review of the historical and current groundwater conditions on and off the Site, changes to the groundwater monitoring program are warranted. IEC is proposing a reduction in the frequency of sampling as discussed in Section 4.6.

As PFAS was detected above the NYS MCL in the groundwater samples collected from one on-Site well and one off-Site, PFAS samples should be collected from cluster well MLW-6 as it is the sentinel well to monitor possible contaminant migration to the two municipal wells located east and cross gradient to the contaminant plume as discussed in Sections 4.3 and 4.6.

The laboratory analysis of the SVE system influent samples indicate the continued low recovery of CVOCs. Due to the age of the SVE system, performance may be trending towards asymptotic conditions and will be evaluated.

The SSDSs will continue to be online until the annual performance retest is completed and associated data is evaluated. Annual sub-slab vapor/indoor air sampling will be completed for verification during the 2020-2021 heating season in conformance with the NYSDOH guidelines.

The Site Management PRR Notice Institutional and Engineering Controls Certification Form has been completed and provided as **Appendix F**.

## 6.2 FUTURE PRR SUBMITTALS

No changes to the frequency of PRR are recommended at this time. An annual PRR will be submitted to the NYSDEC.

Site No.: V00347-1 – Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York

## Figures





NOTES:

LEGEND:

SITE MAP

2050 HEMPSTEAD TPKE.  
EAST MEADOW, NEW YORK

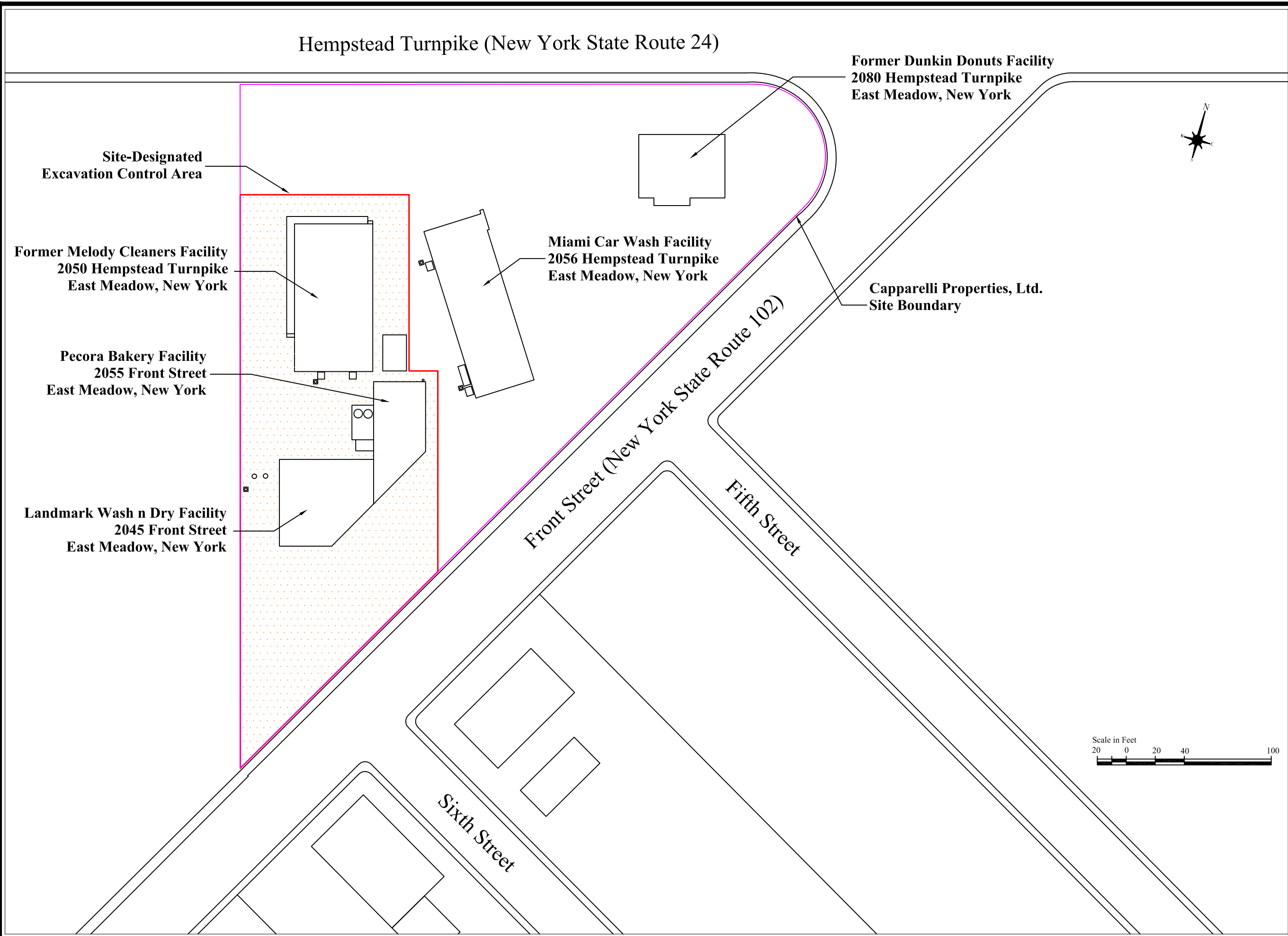
FIGURE NO: 1

PROJECT NO.	04-455
DESIGNED BY:	MB
DRAWN BY:	MB
CHECKED BY:	KK
DATE:	9/14/2013
SCALE:	1" = 275'
REVISIONS	
NO.	DATE
01	7/16/2015
02	4/18/2017



**IMPACT ENVIRONMENTAL**  
170 KEYLAND COURT  
BOHEMIA, NEW YORK 11716  
TEL (631) 269-8800 FAX (631) 269-1599





Scale: As Noted

Legend:

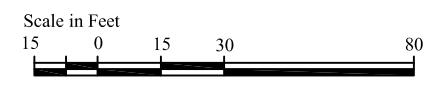
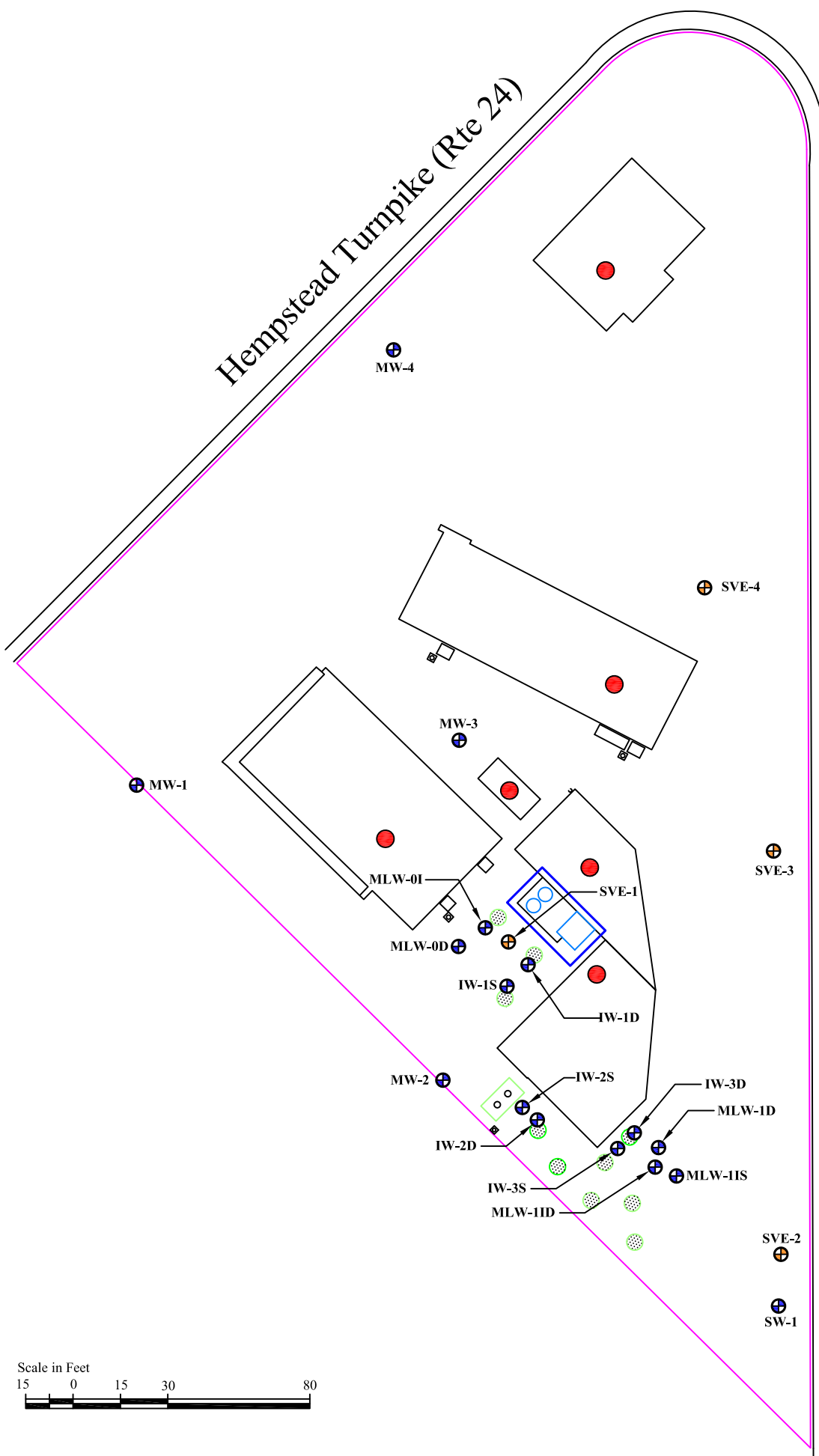
**09406-01**

Figure 2: Site Layout

Melody Cleaners Site  
2050 Hempstead Turnpike  
East Meadow, New York

**IMPACT ENVIRONMENTAL**  
170 KEYLAND COURT  
BOHEMIA, NEW YORK 11716  
TEL (631) 269-8800 FAX (631) 268-1599

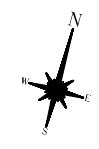




Front Street

Fifth Street

Sixth Street



**Legend:**

Scale: As Noted

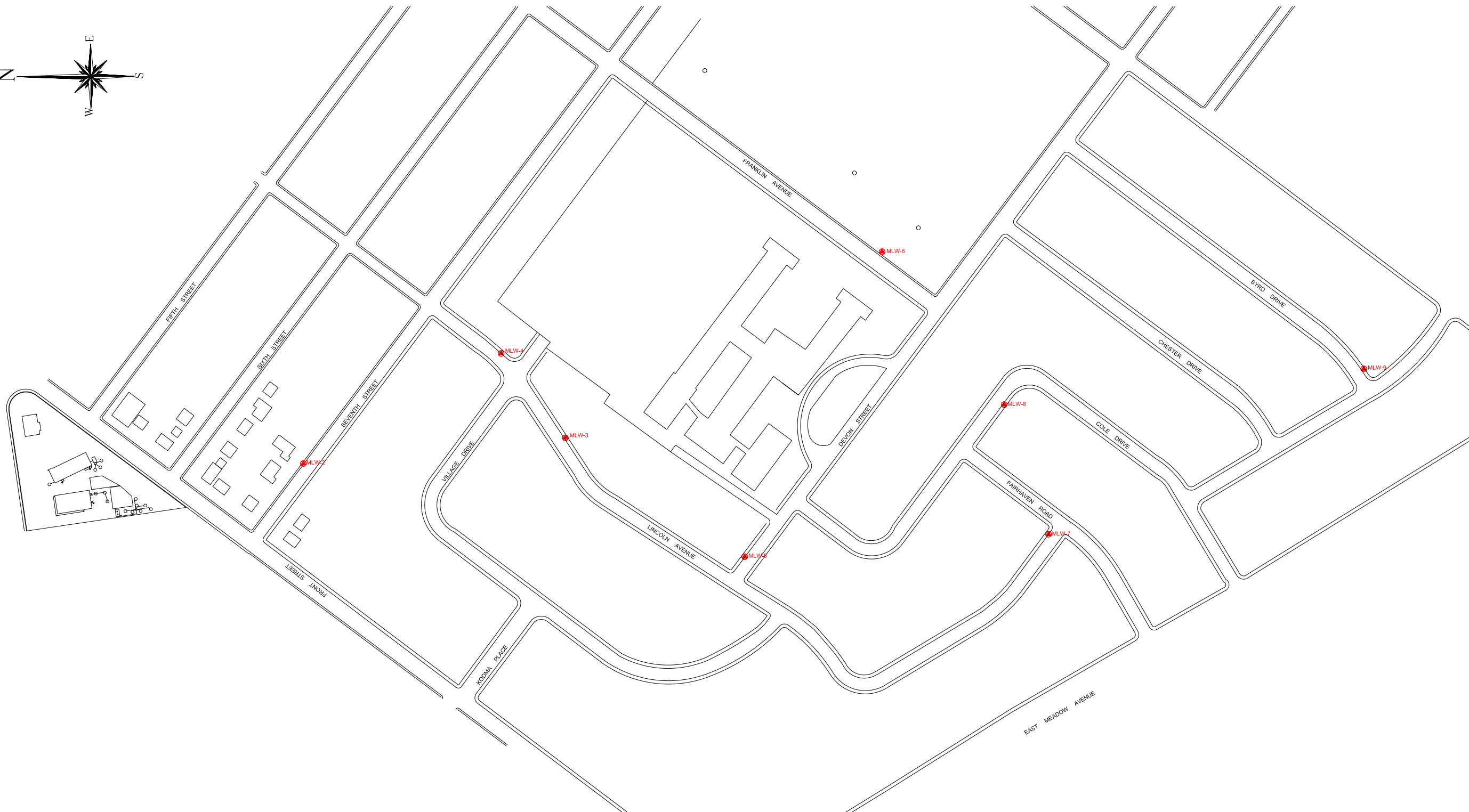
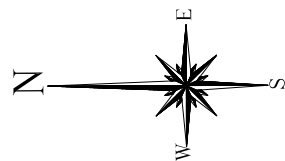
- SVE System Pressure Measurement Location
- Soil Vapor Extraction Well Cluster Location
- Groundwater Monitoring Well Location

**09406-01**

Figure 3: Onsite Groundwater Monitoring Well and SVE System Well Cluster Location Map

Melody Cleaners Site  
2050 Hempstead Turnpike  
East Meadow, New York

**IMPACT ENVIRONMENTAL**  
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### Legend

 Monitoring Well Cluster

TITLE:  
Off-Site Monitoring Well Cluster Locations

*Melody Cleaners Site  
East Meadow, New York*

DRAWN BY:	WF
CHECKED BY:	KK
DATE:	12-22-2011
SCALE:	1" = 250'

PROJECT #	09406-01
FIGURE #	4

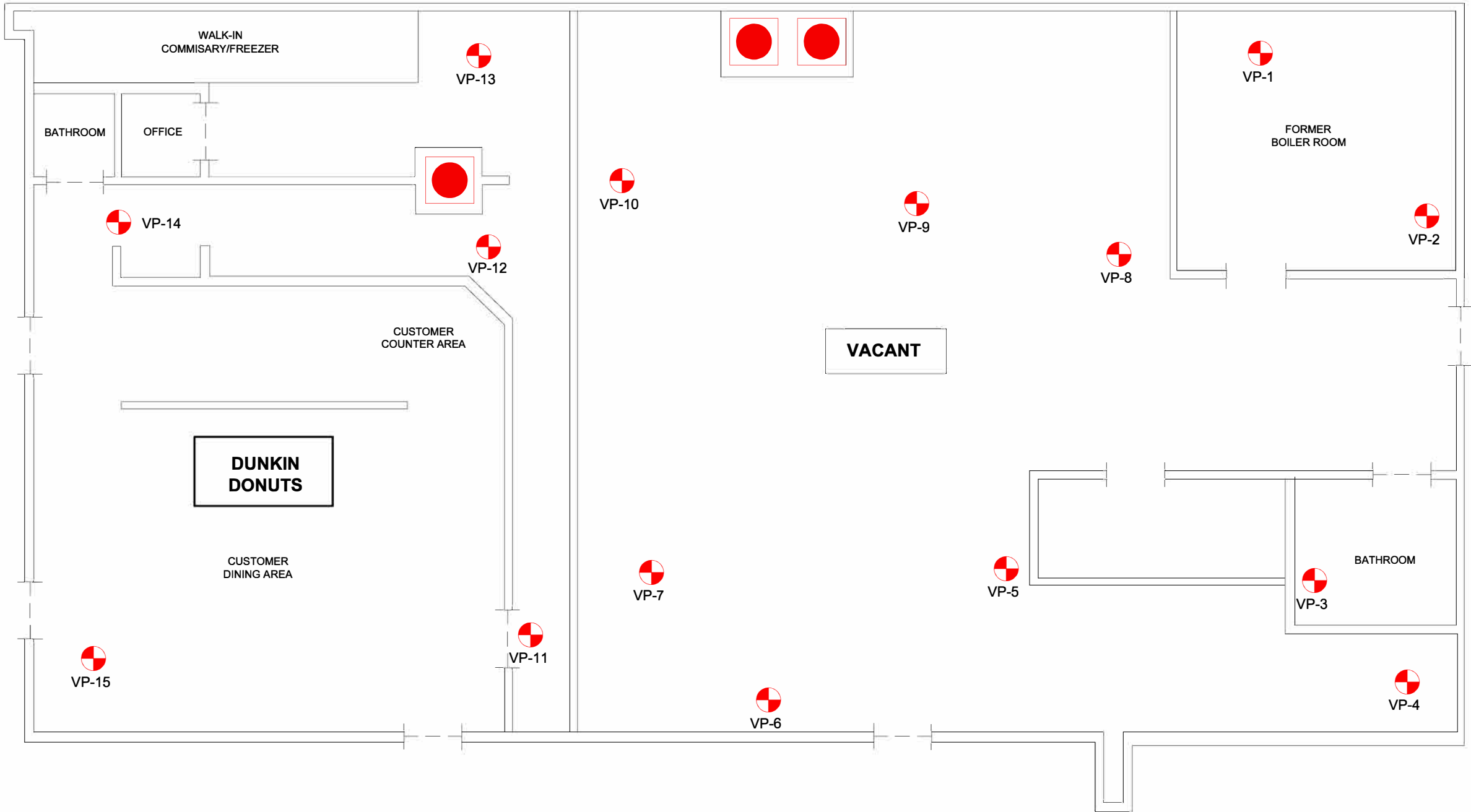
Scale in Feet  


### IMPACT ENVIRONMENTAL

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1560 BROADWAY, SUITE 1024  
NEW YORK, NEW YORK 10036  
TEL (212) 201-7905 FAX (212) 201-7906





LEGEND

VAPOR MONITORING POINT LOCATION

SSDS LEG LOCATION

PROJECT



NOTES:

VAPOR MONITORING POINT  
LOCATION MAP

2050 Hempstead Turnpike  
East Meadow, NY

Figure: 05

PROJECT NO.	9408-01
DESIGNED BY:	LR
DRAWN BY:	LR
CHECKED BY:	JDF
DATE:	10/30/2020
SCALE:	N.T.S

REVISIONS

Sample ID	SVE System On	SVE System Off	Sample ID	SVE System On	SVE System Off
VP-1	-0.0450	-0.0420	VP-8	-0.1210	-0.1120
VP-2	-0.030	-0.0190	VP-9	-0.0920	-0.0820
VP-3	0.000	0.000	VP-10	-0.0970	-0.0880
VP-4	0.000	0.000	VP-11	-0.030	-0.0270
VP-5	-0.0650	-0.0560	VP-12	-0.0450	-0.0440
VP-6	-0.0540	-0.0460	VP-13	-0.0250	-0.0230
VP-7	-0.0960	-0.0810	VP-14	-0.0610	-0.0640
			VP-15	-0.0210	-0.0130

IMPACT ENVIRONMENTAL  
CLOSURES, INC.

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Site No.: V00347-1 – Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York

## Tables

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
IW-1S (25'-45')	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.66 J	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	3/27/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND
	1/5/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52 J	ND
	11/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND
	4/13/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	10/11/2016	0.65	0.41 J	ND	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND
	1/31/2017	0.34 J	0.44 J	ND	ND	ND	ND	ND	ND	ND	19	22	ND	ND	ND	ND	ND	ND
	4/11/2017	0.41 J	0.30 J	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	10	ND
	7/19/2017	0.48 J	ND	ND	ND	ND	ND	ND	ND	ND	2.1 J	12	ND	ND	ND	ND	ND	ND
	11/1/2017	1.1	0.36 J	ND	ND	ND	ND	ND	ND	ND	2.7 J	14	ND	ND	ND	ND	ND	ND
	1/29/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4	ND	ND	ND	ND	ND	ND
	4/11/2018	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	4.0 J	15	ND	ND	ND	ND	ND	ND
	7/16/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9 J	15	ND	ND	ND	ND	ND	ND
	10/10/2018	0.28 J	ND	ND	ND	ND	ND	ND	ND	ND	4.1 J	19	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	3/21/2019	0.19 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	2.5 J	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.8 J	NA	NA	NA	ND	ND	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	21	NA	NA	NA	ND	ND	NA
IW-1D (60'-80')	11/21/2011	180	ND	0.67 J	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	3/27/2014	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND
	6/30/2014	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND
	9/29/2014	460	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/5/2015	280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	640	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	80	ND	ND	ND	ND	ND	0.40 J	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
	7/9/2015	76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	62	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2 J	ND	ND	ND	ND	0.67	5.4
	4/13/2016	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	160	ND	ND	ND	ND	ND	ND	ND	ND	9.4 J	88	ND	ND	ND	0.70 J	ND	ND
	10/11/2016	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND
	1/31/2017	22	ND	ND	ND	ND	ND	ND	ND	ND	18	23	ND	ND	ND	ND	ND	ND
	4/11/2017	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0 J	0.68	ND	ND	ND	0.96 J	0.52
	7/19/2017	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.1 J	ND	ND	ND	ND	ND	ND
	11/1/2017	160	ND	ND	ND	ND	ND	ND	ND	ND	1.9 J	8.4	ND	ND	ND	ND	0.75 J	ND
	1/29/2018	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.2 J	ND	ND	ND	ND	ND	ND
	4/11/2018	8.0	ND	ND	ND	ND	ND	ND	ND	ND	2.8 J	9.5	ND	ND	ND	ND	ND	ND
	7/16/2018	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND
	10/10/2018	100	ND	ND	ND	ND	ND	ND	ND	ND	4.0 J	20	ND	ND	ND	ND	ND	ND
	1/24/2019	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	3/21/2019	89	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0 J	ND	ND	ND	ND	ND	ND
	7/16/2019	280 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND

**QUALIFIERS:**

ND - Compound analyzed but was not detected  
J- Laboratory Estimated value  
D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
	12/20/2019	29	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.8 J	NA	NA	NA	ND	ND	NA
	4/8/2020	48	ND	ND	ND	ND	ND	ND	NA	ND	ND	6.3	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
IW-2S (25'-45')	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4	13	ND	ND	ND	ND	0.82 J	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	6/21/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6	9.9	ND	ND	ND	ND	ND	ND
	10/14/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	12/2/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/6/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	0.65 J	ND
IW-2D (60'-80')	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,700	2,800	ND	ND	ND	ND	0.46 J	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	6/21/2013	ND	0.41 J	ND	ND	ND	ND	ND	ND	ND	4.3 J	2.9 J	ND	ND	ND	ND	ND	ND
	10/14/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	ND	ND	ND	ND	0.49 J	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	12/2/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.63 J	ND
	1/6/2014	22	7.6	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/27/2014	0.97 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND
	6/30/2014	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	0.98 J	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND
	1/5/2015	ND	0.70 J	0.48 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	0.77 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6 J	ND	ND	ND	ND	ND	ND
	4/13/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	0.32 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2 J	0.32 J	ND	ND	ND	ND	0.85
	10/11/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND
	1/31/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	41	ND	ND	ND	ND	ND	ND
	4/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.8	18	ND	ND	ND	ND	ND	ND
	7/19/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/1/2017	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/2018	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.1	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	2.9 J	9.4	ND	ND	ND	ND	ND	ND
	7/16/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8 J	7.9	ND	ND	ND	ND	ND	ND
	10/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2 J	20	ND	ND	ND	ND	ND	ND
	1/24/2019	2.1	0.54	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	3/21/2019	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND
	7/16/2019	1.1	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	12/20/2019	0.6	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.5 J	NA	NA	NA	ND	ND	NA
	4/8/2020	1.1	ND	ND	ND	ND	ND	ND	NA	ND	ND	5.4	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane	
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50	
IW-3S (25'-45')	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	0.42 J	ND	
	Full Scale REMOX Injection December 2011 - January 2012																		
	6/21/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	17.5	ND	ND	ND	ND	ND	ND	
	10/14/2013	0.81 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																		
	12/2/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	1/6/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	
	3/27/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND	
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND	
	1/5/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	4/15/2015	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																		
	6/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																		
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6 J	ND	ND	ND	ND	ND	ND
	4/13/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND
	10/11/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND
	1/31/2017	1.1	0.46 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	ND	ND	ND	ND
	7/19/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	11/1/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8 J	10	ND	ND	ND	ND	ND	ND
	7/16/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	16	ND	ND	ND	ND	ND	ND
	10/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9 J	19	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
	3/21/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	3.4 J	NA	NA	NA	ND	ND	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	7.8	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
IW-3D (60'-80')	11/21/2011	78	ND	ND	ND	ND	ND	ND	ND	ND	14	12	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	6/21/2013	42.2	ND	ND	ND	ND	ND	ND	ND	ND	6.4	13.8	ND	ND	ND	ND	0.55 J	ND
	10/14/2013	17,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	12/2/2013	17,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/6/2014	27,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/27/2014	15,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/30/2014	26,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	3,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/5/2015	3,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	5,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	3,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/9/2015	25,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	480 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.1 J	ND	ND	ND	0.19 J	3.4	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	3,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/13/2016	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND
	7/7/2016	59	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	3.6	ND
	10/11/2016	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND
	1/31/2017	4,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/11/2017	1,700	5.1	ND	ND	ND	ND	ND	ND	ND	ND	2.0 J	ND	ND	ND	0.72	17	ND
	7/19/2017	6,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/1/2017	1,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/2018	18,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/11/2018	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/16/2018	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/10/2018	5,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/24/2019	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/21/2019	460	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/16/2019	58	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	ND	ND	ND	ND	ND	ND
	12/20/2019	71	ND	ND	ND	ND	ND	ND	NA	ND	ND	3.0 J	NA	NA	NA	ND	ND	NA
	4/8/2020	180	ND	ND	ND	ND	ND	ND	NA	ND	ND	24	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
SW-1 (60'-80')	11/21/2011	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/30/2012	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	22	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	1.1	ND	ND	ND	ND	ND	ND	ND	10.3	15.1	ND	ND	ND	ND	ND	ND
	6/21/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	14.5	ND	ND	ND	ND	ND	ND
	10/14/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	12/2/2013	0.76 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/6/2014	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	3/27/2014	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	48	ND	ND	ND	ND	ND	ND
	6/30/2014	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND
	1/5/2015	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/9/2015	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0	24	ND	ND	ND	ND	ND	ND
	4/13/2016	0.92 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	0.29 J	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	55	ND	ND	ND	ND	ND	ND
	10/11/2016	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND
	4/11/2017	130	ND	ND	ND	ND	ND	ND	ND	ND	11	13	ND	ND	ND	ND	ND	ND
	7/19/2017	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND
	11/1/2017	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8	ND	ND	ND	ND	ND	ND
	1/29/2018	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.8	ND	ND	ND	ND	ND	ND
	4/11/2018	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7 J	ND	ND	ND	ND	ND	ND
	7/16/2018	3.0	ND	ND	ND	ND	ND	ND	ND	ND	4.5 J	52	ND	ND	ND	ND	ND	ND
	10/10/2018	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND
	1/24/2019	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.2	ND	ND	ND	ND	ND	ND
	3/21/2019	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	ND	ND	ND	ND	ND	ND
	7/16/2019	0.39 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	3.5 J	NA	NA	NA	ND	ND	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	5.6	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-01 70'-80'	9/27/2010	1.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.7	29	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	4.2	ND	ND	ND	ND	ND	ND	ND	ND	8.8	2.0 J	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/30/2012	0.52 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7 J	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	0.78 J	6.7	16	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	0.48 J	ND	ND	ND	ND	ND	ND	ND	10.3	14.9	ND	ND	ND	ND	ND	ND
	6/21/2013	ND	0.51 J	0.54 J	ND	ND	ND	ND	ND	ND	5.8	12.5	ND	ND	ND	ND	ND	ND
	10/14/2013	0.96 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/27/2014	ND	0.81 J	ND	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND
	1/5/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	0.68 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	ND	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
	4/13/2016	0.25 J	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	ND	0.25 J	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	10/11/2016	ND	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND
	1/31/2017	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	11	16	ND	ND	ND	ND	ND	ND
	4/11/2017	ND	0.34 J	ND	ND	ND	ND	ND	ND	ND	4.3 J	12	ND	ND	ND	ND	ND	ND
	7/19/2017	0.25 J	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	11	ND	ND	ND	ND	ND	ND
	11/1/2017	ND	0.32 J	ND	ND	ND	ND	ND	ND	ND	ND	9.8	ND	ND	ND	ND	ND	ND
	1/29/2018	0.28 J	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4 J	17	ND	ND	ND	ND	ND	ND
	7/16/2018	ND	0.18 J	ND	ND	ND	ND	ND	ND	ND	4.3 J	12	ND	ND	ND	ND	ND	ND
	10/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2 J	26	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	3/21/2019	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND	ND	ND	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.5 J	NA	NA	NA	ND	ND	NA	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	6.8	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow



**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-0D 105'-115'	9/27/2010	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND
	11/29/2010	39	ND	ND	ND	ND	ND	ND	ND	ND	11	36	ND	ND	ND	ND	0.89 J	ND
	3/25/2011	3.8	0.8 J	0.48 J	ND	ND	ND	ND	ND	ND	3.6 J	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	3.6	1.0	0.75 J	ND	ND	ND	ND	ND	1.0 J	11	3.8 J	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	0.5 J	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/30/2012	0.81 J	0.62 J	ND	ND	ND	ND	ND	ND	0.84 J	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	16	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND	9.2	13.1	ND	ND	ND	ND	ND	ND
	6/21/2013	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND	6.6	14.3	ND	ND	ND	ND	ND	ND
	10/14/2013	0.77 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	ND	0.84 J	0.76 J	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	3/27/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND
	1/5/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	ND	ND
	4/13/2016	0.25 J	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	ND	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	10/11/2016	ND	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	ND
	1/31/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	14	ND	ND	ND	ND	ND	ND
	4/11/2017	0.19 J	0.33 J	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND
	7/19/2017	0.25 J	ND	ND	ND	ND	ND	ND	ND	ND	3.0 J	14	ND	ND	ND	ND	ND	ND
	11/1/2017	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	1.9 J	11	ND	ND	ND	ND	ND	ND
	1/29/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	13	ND	ND	ND	ND	ND	ND
	7/16/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.1 J	14	ND	ND	ND	ND	ND	ND
	10/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	21	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	3/21/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	3.0 J	NA	NA	NA	ND	ND	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	4.3 J	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MW-1 30'-45'	2/26/2008	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	93	ND	ND	3.1	ND	ND	ND
	12/1/2008	1.8	3.5	3.2	ND	ND	ND	ND	ND	ND	20	59	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	110	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9	100	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	72	ND	ND	ND	ND	ND	ND
	1/7/2010	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	31	ND	ND	ND	ND	0.59 J	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6 J	ND	ND	ND	0.55 J	ND	1.2	ND
	7/7/2011	0.71 J	ND	ND	ND	ND	ND	ND	ND	ND	8.0	2.0 J	ND	ND	ND	ND	1.7	ND
	11/21/2011	4.9	ND	ND	ND	ND	ND	ND	ND	ND	2.2 J	10	ND	ND	ND	ND	0.76 J	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	ND	0.72 J	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND
	3/15/2013	0.55 J	ND	ND	ND	ND	ND	ND	ND	ND	8.9	13.9	ND	ND	ND	ND	0.8 J	ND
MW-2 29'-44'	2/26/2008	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.1	80	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	42	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	96	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	110	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	79	ND	ND	ND	ND	ND	ND
	1/7/2010	0.94 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	32	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	0.33 J	ND	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	ND	0.49 J	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND	ND	ND	ND	0.6 J	ND
	11/21/2011	4.3	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.2	ND	ND	ND	ND	0.69 J	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3	15	ND	ND	ND	ND	0.87 J	ND
	3/15/2013	0.41 J	ND	ND	ND	ND	ND	ND	ND	ND	10.7	42.7	ND	ND	ND	ND	0.65 J	ND

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MW-3 30'-45'	2/26/2008	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	1.0 J	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	74	ND	ND	ND	ND	0.85 J	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	63	ND	ND	ND	ND	0.56 J	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	98	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	110	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	83	ND	ND	ND	ND	ND	ND
	1/7/2010	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	31	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	0.28 J	ND	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	ND	0.58 J	ND
	7/7/2011	ND	1.1	1.1	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	ND	ND	0.55 J	ND
	11/21/2011	4.0	0.71 J	0.65 J	ND	ND	ND	ND	ND	ND	7.3	9.9	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	0.79 J	0.73 J	ND	ND	ND	ND	ND	ND	ND	9.3	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	0.64 J	ND	ND	ND	ND	ND	ND	6.3	15	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	0.56 J	ND	ND	ND	ND	ND	ND	ND	8.2	17.5	ND	ND	ND	ND	ND	ND
MW-4 23'-38'	11/19/2007	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.2	76	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	67	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	50	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.1	120	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	84	ND	ND	ND	ND	ND	ND
	1/7/2010	0.71 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	30	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0 J	ND	ND	ND	ND	ND	0.36 J	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7	4.2 J	ND	ND	ND	ND	0.83 J	ND
	11/21/2011	3.8	ND	ND	ND	ND	ND	ND	ND	ND	6.2	6.0	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/30/2012	0.51 J	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	7.9	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	15	ND	ND	ND	ND	0.45 J	ND
	3/15/2013	ND	0.48 J	ND	ND	ND	ND	ND	ND	ND	8.5	73.1	ND	ND	ND	ND	ND	ND

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
SVE-1 27'-42'	2/26/2008	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	3.0	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	65	ND	ND	ND	ND	0.94 J	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	41	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	100	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.1	110	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	1.0	ND	ND	ND	ND	ND	ND	ND	15	70	ND	ND	ND	ND	ND	ND
	1/7/2010	0.51 J	ND	ND	ND	ND	ND	ND	ND	ND	13	51	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/27/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	44	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	0.31 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.63 J	ND
	7/7/2011	ND	0.86 J	0.94 J	ND	ND	ND	ND	ND	ND	8.8	4.3 J	ND	ND	ND	ND	ND	ND
	11/21/2011	3.9	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	0.56 J	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/30/2012	0.59 J	0.68 J	0.56 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6	14	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.1	14.4	ND	ND	ND	ND	0.47 J	ND
	6/21/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8 J	12.1	ND	ND	ND	ND	ND	ND
	10/14/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	ND	ND	0.73 J	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	3/27/2014	ND	0.95 J	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND
	1/5/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	ND	ND	ND	ND	ND	ND
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61 J	ND
	11/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	ND	ND
	4/13/2016	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	10/11/2016	0.21 J	0.30 J	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND
	4/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9 J	12	ND	ND	ND	ND	1.4 J	ND
	7/19/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9 J	11	ND	ND	ND	ND	ND	ND
	11/1/2017	0.35 J	ND	ND	ND	ND	ND	ND	ND	ND	2.2 J	10	ND	ND	ND	ND	ND	ND
	1/29/2018	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.5	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7 J	20	ND	ND	ND	ND	ND	ND
	7/16/2018	0.19 J	ND	ND	ND	ND	ND	ND	ND	ND	3.5 J	12	ND	ND	ND	ND	ND	ND
	10/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0 J	19	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	3/21/2019	83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.7 J	NA	NA	NA	ND	ND	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	4.9 J	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
SVE-2 27'-42'	2/26/2008	760	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	360	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
	7/28/2008	470	ND	0.93 J	ND	ND	ND	ND	ND	ND	5.0	73	ND	ND	ND	ND	3.5	ND
	12/1/2008	760	ND	ND	ND	ND	ND	ND	ND	ND	17	58	ND	ND	ND	ND	0.74 J	ND
	3/24/2009	1,200	ND	ND	ND	ND	ND	ND	ND	ND	18	100	ND	ND	ND	ND	ND	ND
	6/30/2009	120	ND	ND	ND	ND	ND	ND	ND	ND	6.6	110	ND	ND	ND	ND	0.57 J	ND
	9/21/2009	62	0.53 J	ND	ND	ND	ND	ND	ND	ND	14	72	ND	ND	ND	ND	ND	ND
	1/7/2010	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	6/3/2010	9.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	8/25/2010	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
	3/25/2011	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	6.0	ND	ND	ND	ND	ND	ND	ND	ND	7.2	3.4 J	ND	ND	ND	ND	ND	ND
	11/21/2011	7.6	0.57 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/30/2012	11	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	50	ND	ND	ND	ND	ND	ND
	11/9/2012	5.4	ND	ND	ND	ND	ND	ND	ND	ND	15	24	ND	ND	ND	ND	ND	ND
	3/15/2013	4.8	ND	ND	ND	ND	ND	ND	ND	ND	10.5	21.7	ND	ND	ND	ND	ND	ND
	6/21/2013	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	0.7 J	ND
	10/14/2013	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	3/27/2014	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	ND
	6/30/2014	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	43	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND
	1/5/2015	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/9/2015	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	ND	ND	ND	ND
	4/13/2016	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	0.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	10/11/2016	0.78	0.37 J	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND
	1/31/2017	0.46 J	0.31 J	ND	ND	ND	ND	ND	ND	ND	10	13	ND	ND	ND	ND	ND	ND
	4/11/2017	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0	ND	ND	ND	ND	ND	ND
	7/19/2017	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND
	11/1/2017	1.7	0.38 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/2018	2.4	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	0.93	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	7/16/2018	0.74	ND	ND	ND	ND	ND	ND	ND	ND	5.6	65	ND	ND	ND	ND	ND	ND
	10/10/2018	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND
	1/24/2019	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	3/21/2019	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND	ND	ND
	7/16/2019	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	3.7 J	NA	NA	NA	NA	ND	NA
	4/8/2020	0.30 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	9	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
SVE-3 26'-41'	2/26/2008	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND
	7/28/2008	2.5	ND	ND	ND	ND	ND	ND	ND	ND	7.8	83	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	49	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.7	120	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	66	ND	ND	ND	ND	ND	ND
	1/7/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	ND	0.47 J	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3	ND	ND	ND	ND	ND	0.84 J	ND
	11/21/2011	ND	0.57 J	0.43 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	0.45 J	ND	ND	ND	ND	ND	ND	ND	ND	8.2	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	14	ND	ND	ND	ND	ND	ND
	3/15/2013	0.66 J	0.55 J	ND	ND	ND	ND	ND	ND	ND	9.3	20.8	ND	ND	ND	ND	ND	ND
SVE-4 27'-42'	2/26/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.6	75	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	62	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	120	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2	100	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	93	ND	ND	ND	ND	ND	ND
	1/7/2010	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	28	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	ND	0.38 J	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0	ND	ND	ND	ND	ND	1.5	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1	11	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.9	ND	ND	ND	ND	0.5 J	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0	14	ND	ND	ND	ND	0.67 J	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	17.1	ND	ND	ND	ND	0.76 J	ND

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-11S 70'-80'	11/19/2007	830	0.67 J	ND	ND	0.59 J	ND	2.2	ND	1.4	ND	4.8 J	ND	ND	ND	ND	ND	ND
	4/1/2008	910	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND
	7/28/2008	230	ND	ND	ND	ND	ND	ND	ND	ND	6.3	79	ND	ND	ND	ND	1.2	ND
	12/1/2008	2,700	ND	ND	ND	ND	ND	ND	ND	ND	21	59	ND	ND	ND	ND	0.8 J	ND
	3/24/2009	2,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	75	ND	ND	ND	ND	1.2	ND
	6/30/2009	2,000	1.4	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	0.67	ND
	9/21/2009	940	0.6 J	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	0.66 J	ND
	1/7/2010	2,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57 J	ND
	6/3/2010	380	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	0.84 J	ND
	8/25/2010	3,100	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	4,000	2.6	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	3/25/2011	3,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	5,300	3.0	ND	ND	ND	ND	ND	ND	ND	9.1	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	2,100	2.4	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/23/2012	850	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	ND	ND	ND	ND	10	ND
	11/9/2012	590 E	ND	ND	ND	ND	ND	ND	ND	ND	15	25	ND	ND	ND	0.42	16	ND
	3/15/2013	1,100	ND	ND	ND	ND	ND	ND	ND	ND	90.2 D	24.7	ND	ND	ND	ND	8.5 J	ND
	6/21/2013	850	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/14/2013	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	12/2/2013	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	27	ND
	1/6/2014	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	0.84 J	28	ND
	3/27/2014	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	48	ND	ND	ND	1.2	30	ND
	6/30/2014	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
	9/29/2014	1.4	4.7	1.2	ND	8.6	ND	4.7	ND	24	ND	24	ND	ND	ND	ND	0.78 J	ND
	1/5/2015	750	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	ND
	4/15/2015	1,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59 J	ND
	7/9/2015	73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	0.50	4.6
	4/13/2016	990 E	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.83 J	4.0	ND
	7/7/2016	22	ND	ND	ND	ND	ND	ND	ND	ND	2.0 J	16	ND	ND	ND	0.42 J	ND	ND
	10/11/2016	1,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/31/2017	760	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/11/2017	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	35 J	ND	ND	ND	ND	ND	ND
	7/19/2017	7,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/1/2017	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/2018	4,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/11/2018	4,300	ND	ND	ND	ND	ND	ND	ND	ND	ND	74 J	ND	ND	ND	ND	ND	ND
	7/16/2018	470	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND
	10/10/2018	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	42 J	ND	ND	ND	ND	ND	ND
	1/24/2019	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/21/2019	390	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3 J	ND	ND	ND	ND	ND	ND
	7/16/2019	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND
	12/20/2019	5.6	ND	ND	ND	ND	ND	ND	NA	ND	ND	4.3 J	NA	NA	NA	ND	ND	NA
	4/8/2020	33	ND	ND	ND	ND	ND	ND	NA	ND	ND	8.7	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-11D 149'-159'	11/19/2007	47	0.79 J	ND	ND	1.3	ND	1.7	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND
	4/1/2008	410	3.5	1.3	ND	7.5	ND	5.8	ND	18	ND	37	ND	ND	ND	ND	ND	ND
	7/28/2008	680	2.3	1.5	ND	5.3	ND	3.7	ND	10	5.6	85	ND	ND	ND	ND	0.56 J	ND
	12/1/2008	600	1.8	0.67 J	ND	7.0	ND	3.4	ND	12	20	66	ND	ND	ND	ND	ND	ND
	3/24/2009	770	2.2	ND	ND	4.6	ND	3.5	ND	13	24	160	ND	ND	ND	ND	0.59 J	ND
	6/30/2009	410	1.6	0.72 J	ND	3.4	ND	3.0	ND	9.6	5.4	83	ND	ND	ND	ND	ND	ND
	9/21/2009	290	1.8	ND	ND	3.6	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND
	1/7/2010	240	1.8	0.56 J	ND	2.5	ND	3.0	ND	10	12	53	ND	ND	ND	ND	ND	ND
	6/3/2010	34	2.4	1.1	ND	7.3	ND	4.4	ND	19	ND	ND	ND	ND	ND	ND	ND	ND
	8/25/2010	30	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	760	2.3	0.54 J	ND	3.2	ND	ND	ND	7.5	ND	22	ND	ND	ND	ND	ND	ND
	3/25/2011	29	1.8	0.69 J	ND	3.2	ND	2.8	ND	10	3.1 J	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	7.6	2.2	0.83 J	ND	5.6	ND	ND	ND	11	8.3	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	21	2.2	0.99 J	ND	4.5	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	0.41 J	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/23/2012	5.5	ND	ND	ND	ND	ND	ND	ND	0.46 J	ND	3.7 J	ND	ND	ND	ND	ND	ND
	11/9/2012	17	1.5	0.83 J	ND	2.7	ND	ND	ND	9.2	16	27	ND	ND	ND	ND	ND	ND
	3/15/2013	17.1	0.45 J	ND	ND	ND	ND	ND	ND	0.58 J	7.2	14.5	ND	ND	ND	ND	ND	ND
	6/21/2013	8.2	1.7	0.62 J	ND	2.9	ND	2.2	ND	9.8	4.7 J	3.5 J	ND	ND	ND	ND	ND	ND
	10/14/2013	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 J	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	12/2/2013	11	3.3	0.97 J	ND	4.5	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	0.57 J	ND
	1/6/2014	6.3	3.1	1.2	ND	6.4	ND	2.8	ND	15	ND	7.5 J	ND	ND	ND	ND	0.68 J	ND
	3/27/2014	23	ND	ND	ND	ND	ND	2.8	ND	ND	ND	47	ND	ND	ND	ND	ND	ND
	6/30/2014	1.5	4.5	1.2	ND	8.4	ND	3.4	ND	18	ND	54	ND	ND	ND	ND	ND	ND
	9/29/2014	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	2.3	ND
	1/5/2015	93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/9/2015	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	9.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	ND	ND
	4/13/2016	11.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	12	ND	ND	ND	ND	ND	ND	ND	ND	1.9 J	15	ND	ND	ND	ND	ND	ND
	10/11/2016	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	ND
	1/31/2017	4.1	ND	ND	ND	ND	ND	ND	ND	ND	14	20	ND	ND	ND	ND	ND	ND
	4/11/2017	11	0.18 J	ND	ND	ND	ND	ND	ND	ND	5.6 J	15	ND	ND	ND	ND	ND	ND
	7/19/2017	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	0.74 J	ND
	11/1/2017	2.4	2.2	ND	ND	2.1	ND	1.1 J	ND	6.2	ND	3.3 J	ND	ND	ND	ND	ND	ND
	1/29/2018	13	1.4	ND	ND	1.6	ND	0.81 J	ND	5.2	ND	6.2	ND	ND	ND	ND	ND	ND
	4/11/2018	14	0.31 J	ND	ND	0.19 J	ND	ND	ND	0.96 J	3.6 J	10	ND	ND	ND	ND	ND	ND
	7/16/2018	7.5	1.9	ND	ND	2.1	ND	1.0 J	ND	6.5	3.2 J	9.7	ND	ND	ND	ND	ND	ND
	10/10/2018	11	0.66	ND	ND	0.66	ND	ND	ND	1.4 J	ND	36	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	0.24 J	ND	ND	ND	ND	ND	8.9	ND	ND	ND	ND	ND	ND
	3/21/2019	7.4	0.98	0.87	ND	ND	ND	ND	ND	2.8	ND	5.9	ND	ND	ND	ND	ND	ND
	7/16/2019	5.8	1.8	ND	ND	2.0	ND	0.77 J	ND	5.4	ND	31	ND	ND	ND	ND	ND	ND
	12/20/2019	3.2	0.37 J	ND	ND	0.27 J	ND	ND	NA	0.86 J	ND	3.6 J	NA	NA	NA	ND	ND	NA
	4/8/2020	3.2	1.2	ND	ND	1.2	ND	ND	NA	4.2	ND	26	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected  
J- Laboratory Estimated value  
D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow



**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-1D 182'-192'	10/29/2007	24	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND
	4/1/2008	78	16	ND	ND	2.6	ND	ND	ND	6.7	11	90	ND	ND	ND	ND	ND	ND
	7/28/2008	180	3.9	0.99 J	ND	0.65 J	ND	ND	ND	2.2	5.9	81	ND	ND	ND	ND	ND	ND
	12/1/2008	200	4.0	ND	ND	ND	ND	ND	ND	3.0	34	85	ND	ND	ND	ND	ND	ND
	3/24/2009	140	3.1	ND	ND	ND	ND	ND	ND	2.7	13	76	ND	ND	ND	ND	ND	ND
	6/30/2009	100	2.8	ND	ND	0.79 J	ND	ND	ND	3.3	7.5	110	ND	ND	ND	ND	ND	ND
	9/21/2009	85	2.0	ND	ND	0.57 J	ND	ND	ND	2.9	16	83	ND	ND	ND	ND	ND	ND
	1/7/2010	56	1.9	ND	ND	0.62 J	ND	ND	ND	2.9	ND	30	ND	ND	ND	ND	ND	ND
	6/3/2010	59	3.4	ND	ND	1.0	ND	ND	ND	5.5	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	62	2.0	ND	ND	0.86 J	ND	ND	ND	2.5	ND	10	ND	ND	ND	ND	ND	ND
	3/25/2011	71	2.1	ND	ND	0.64 J	ND	ND	ND	2.7	3.9 J	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	48	1.3	ND	ND	1.0 J	ND	ND	ND	2.8	9.0	4.4 J	ND	ND	ND	ND	ND	ND
	11/21/2011	30	1.4	ND	ND	0.64 J	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/30/2012	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	61	0.58 J	ND	ND	0.69 J	ND	ND	ND	4.2	15	22	ND	ND	ND	ND	ND	ND
	3/15/2013	9.8	1.4	ND	ND	1.7	ND	ND	ND	6.9	ND	13.1	ND	ND	ND	ND	ND	ND
	6/21/2013	14.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	0.96 J	ND
	10/14/2013	7.3	2.8	0.74 J	ND	5.4	ND	2.7	ND	12	ND	ND	ND	ND	0.59 J	ND	0.54 J	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	12/2/2013	11	3.3	0.97 J	ND	4.5	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	0.57 J	ND
	1/6/2014	6.9	2.9	1.2	ND	5.9	ND	2.5	ND	13	ND	10	ND	ND	ND	ND	0.69 J	ND
	3/27/2014	8.2	2.7	0.85 J	ND	4.8	ND	2.5	ND	9.6	ND	39	ND	ND	ND	ND	1.3	ND
	6/30/2014	35	1.1	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	0.43 J	ND
	9/29/2014	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND
	1/5/2015	5.0	3.7	0.97 J	ND	5.6	ND	2.9	ND	16	ND	ND	ND	ND	ND	ND	0.78 J	ND
	4/15/2015	11.0	2	ND	ND	1.9	ND	0.41 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	16.0	3.5	0.80 J	13	4.2	ND	2.9	ND	13	ND	ND	ND	ND	ND	ND	0.79 J	ND
	7/9/2015	4.9	3.3	0.85 J	ND	4.8	ND	2.4	ND	11	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	3.0	1.9	0.78 J	ND	3.2	ND	1.2 J	ND	8.2	ND	2.6 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	3.6	3.0	1.1 J	ND	4.8	ND	1.6 J	ND	8.7	13	89	ND	ND	ND	ND	ND	ND
	4/13/2016	2.5	3.6	0.99 J	ND	4.6	ND	2.2	ND	13.4	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	3.9	2.7	0.76 J	ND	8.5	ND	1.4 J	ND	3.3	ND	14	ND	ND	ND	ND	ND	ND
	10/11/2016	3.2	3.4	0.82 J	ND	4.0	ND	2.0 J	ND	11.0	ND	40	ND	ND	ND	ND	ND	ND
	1/31/2017	1.1	1.7	ND	ND	3.1	ND	0.78 J	ND	6.4	20	41	ND	ND	ND	ND	ND	ND
	4/11/2017	5.1	3.0	0.77 J	ND	4.2	ND	1.5 J	ND	9.0	4.2 J	11	ND	ND	ND	ND	ND	ND
	7/19/2017	10	2.6	ND	ND	3.1	ND	1.0 J	ND	6.7	ND	7.3	ND	ND	ND	ND	ND	ND
	11/1/2017	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/2018	26	0.31 J	ND	ND	0.31 J	ND	ND	ND	2.0 J	ND	7.9	ND	ND	ND	ND	ND	ND
	4/11/2018	6.1	1.3	ND	ND	1.3	ND	ND	ND	3.1	2.8 J	10	ND	ND	ND	ND	ND	ND
	7/16/2018	24	0.38 J	ND	ND	0.32 J	ND	ND	ND	1.4 J	2.8 J	14	ND	ND	ND	ND	ND	ND
	10/10/2018	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	3/21/2019	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9 J	ND	ND	ND	ND	ND	ND
	7/16/2019	7.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND
	12/20/2019	3.2	0.37 J	ND	ND	0.27 J	ND	ND	NA	0.86 J	ND	3.6 J	NA	NA	NA	NA	ND	NA
	4/8/2020	3.8	ND	ND	ND	ND	ND	ND	NA	ND	ND	9.0	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected  
J- Laboratory Estimated value  
D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-2S 21'-36'	3/10/2008	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/2008	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/28/2008	3.9	0.59 J	1.0 J	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/30/2009	0.87	ND	ND	ND	ND	ND	ND	ND	ND	5.2	24	ND	ND	ND	ND	ND	ND
	9/21/2009	0.79 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/7/2010	0.57 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	1.4	ND	ND	ND	ND	ND	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	0.42 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/15/2013	0.53 J	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/11/2017	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND	6.1	100	ND	ND	ND	ND	ND	ND

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-21 102'-112'	2/27/2008	14	ND	2.2	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	13	ND
	5/2/2008	11	4.8	16	ND	ND	ND	ND	ND	ND	11	27	ND	ND	ND	ND	3.5	ND
	7/28/2008	30	12	21	ND	ND	ND	ND	ND	ND	7.1	86	ND	ND	ND	ND	3.1	ND
	12/1/2008	23	7.3	18	ND	ND	ND	ND	ND	ND	31	80	ND	ND	ND	ND	1.3	ND
	3/24/2009	15	7.2	19	ND	ND	ND	ND	ND	ND	26	100	ND	ND	ND	ND	1.0	ND
	6/30/2009	13	7.2	16	ND	ND	ND	ND	ND	ND	5.4	84	ND	ND	ND	ND	0.53 J	ND
	9/21/2009	14	8.8	21	ND	ND	ND	ND	ND	ND	18	110	ND	ND	ND	ND	0.72 J	ND
	1/7/2010	42	13	19	ND	ND	ND	ND	ND	ND	9.8	43	ND	ND	ND	ND	0.59 J	ND
	6/3/2010	17	12	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.63 J	ND
	11/29/2010	11	8.1	13	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	3/25/2011	11	6.2	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	14	8.6	17	ND	ND	ND	ND	ND	ND	7.8	3.5 J	ND	ND	ND	ND	ND	ND
	11/21/2011	13	6.5	17	ND	ND	ND	ND	ND	ND	ND	9.1	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	32	9.7	20	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	11/9/2012	40	9.2	18	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	3/15/2013	12.3	6.1	15.4	ND	ND	ND	ND	ND	ND	8.1	14.8	ND	ND	ND	ND	ND	ND
	6/21/2013	26.1	8.2	18	ND	ND	ND	ND	ND	ND	5.8	9.9	ND	ND	ND	ND	ND	ND
	10/14/2013	53	13	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	12/2/2013	33	9.9	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/6/2014	ND	0.97 J	ND	ND	2.2	ND	0.96 J	ND	4.9	ND	8.4 J	ND	ND	ND	ND	ND	ND
	3/27/2014	20	8.9	14	ND	ND	ND	ND	ND	ND	ND	51	ND	ND	ND	ND	0.46 J	ND
	6/30/2014	22	8.9	15	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	0.70 J	ND
	9/29/2014	18	4.5	11	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND
	1/5/2015	10	4.8	8.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	23	4.2	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49 J	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	14	1.7	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/9/2015	8.6	2.2	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68 J	ND
	11/17/2015	2.6	1.3	3.6	ND	ND	ND	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	6.5	1.6	3.8	ND	ND	ND	ND	ND	ND	5.8	23	ND	ND	ND	ND	ND	ND
	4/13/2016	6.2	1.6	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	5.8	2.2	5.5	ND	ND	ND	ND	ND	ND	2.5 J	45	ND	ND	ND	ND	ND	ND
	10/11/2016	6.8	1.8	4.1	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND
	1/31/2017	3.4	1.7	3.7	ND	ND	ND	ND	ND	ND	2.6 J	61	ND	ND	ND	ND	ND	ND
	4/11/2017	7.9	1.5	2.6	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND	ND	ND	ND	ND
	7/19/2017	8.4	2.2	5.3	ND	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	ND	ND	ND
	11/1/2017	12	2.5	5.3	ND	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	ND	ND
	1/29/2018	10	2.0	4.6	ND	ND	ND	ND	ND	ND	ND	4.7 J	ND	ND	ND	ND	ND	ND
	4/11/2018	10	2.3	5.2	ND	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	ND	ND
	7/16/2018	7.3	2.4	4.5	ND	ND	ND	ND	ND	ND	4.4 J	37	ND	ND	ND	ND	ND	ND
	10/10/2018	8.8	2.9	4.9	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND
	1/24/2019	19	4.8	8.5	ND	ND	ND	ND	ND	ND	ND	8.8	ND	ND	ND	ND	ND	ND
	3/21/2019	8.9	2.6	5.0	ND	ND	ND	ND	ND	ND	ND	3.7 J	ND	ND	ND	ND	ND	ND
	7/16/2019	9.8	2.8	4.9	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND
	12/20/2019	13	2.9	5.2	ND	ND	ND	ND	NA	ND	ND	3.7 J	NA	NA	NA	NA	ND	NA
	4/8/2020	12	2.8	5.3	ND	ND	ND	ND	NA	ND	ND	5.6	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-2D 191'-201'	10/17/2007	8.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/1/2008	ND	ND	ND	ND	3.4	ND	ND	ND	5.6	ND	24	ND	ND	ND	ND	ND	ND
	7/28/2008	1.4	ND	1.0	ND	2.6	ND	1.4	ND	5.9	8.8	91	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	1.4	ND	5.8	31	81	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	6.8	25	110	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	2.0	ND	1.4	ND	5.5	7.0	79	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	0.51 J	ND	ND	1.6	ND	ND	ND	7.3	17	100	ND	ND	ND	ND	ND	ND
	1/7/2010	0.85 J	ND	ND	ND	1.5	ND	1.4	ND	6.1	ND	16	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	0.55 J	ND	ND	2.3	ND	ND	ND	7.8	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	97	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	0.53 J	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	0.77 J	0.76 J	ND	ND	2.1	ND	ND	ND	6.3	8.6	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	3.5	ND	ND	ND	1.2	ND	ND	ND	4.6	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	0.76 J	ND	ND	1.8	ND	ND	ND	6.1	ND	9.4	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	1.7	ND	ND	ND	6.6	6.0	15	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	0.77 J	ND	ND	1.6	ND	ND	ND	6.0	9.3	18.1	ND	ND	ND	ND	ND	ND
	6/21/2013	ND	0.87 J	ND	ND	1.9	ND	ND	ND	6.7	ND	4.0 J	ND	ND	ND	ND	ND	ND
	10/14/2013	1.4	ND	ND	ND	2.3	ND	1.4	ND	7.7	ND	ND	ND	ND	2.3	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	3/27/2014	ND	ND	ND	ND	ND	ND	1.7	ND	5.4	ND	44	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	1.8	ND	ND	3.8	ND	1.8	ND	10	ND	37	ND	ND	ND	ND	0.43 J	ND
	9/29/2014	ND	ND	ND	ND	3.4	ND	1.9	ND	11	ND	40	ND	ND	ND	ND	ND	ND
	1/5/2015	ND	1.5	ND	ND	2.2	ND	1.5	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	1.4	ND	ND	ND	2.8	ND	1.2	ND	6.9	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	6/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	7/9/2015	ND	1.5	ND	ND	2.4	ND	1.5	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	ND	1.2	ND	ND	2.2	ND	1.0 J	ND	6.1	ND	5.6	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	1.3	ND	ND	2.3	ND	1.1 J	ND	5.8	6.1	32	ND	ND	ND	ND	ND	ND
	4/13/2016	0.47 J	1.3	ND	ND	ND	ND	1.1	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	0.21 J	1.8	ND	ND	2.4	ND	1.1 J	ND	5.5	ND	7.4	ND	ND	ND	ND	ND	ND
	10/11/2016	0.28 J	1.3	ND	ND	1.7	ND	1.0 J	ND	5.0	ND	41	ND	ND	ND	ND	ND	ND
	1/31/2017	ND	1.2	ND	ND	2.4	ND	1.1 J	ND	5.7	ND	45	ND	ND	ND	ND	ND	ND
	4/11/2017	0.26 J	1.4	ND	ND	2.0	ND	0.94 J	ND	4.6	ND	6.8	ND	ND	ND	ND	ND	ND
	7/19/2017	0.19 J	1.9	ND	ND	2.5	ND	1.1 J	ND	6.4	ND	7.9	ND	ND	ND	ND	ND	ND
	11/1/2017	0.33 J	1.3	ND	ND	1.6	ND	0.89 J	ND	4.6	2.6 J	14	ND	ND	ND	ND	ND	ND
	1/29/2018	0.26 J	1.5	ND	ND	2.0	ND	1.1 J	ND	6.1	ND	8.6	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	1.4	ND	ND	1.8	ND	1.0 J	ND	5.6	ND	3.0 J	ND	ND	ND	ND	ND	ND
	7/16/2018	ND	1.5	ND	ND	1.7	ND	1.0 J	ND	5.5	5.4	44	ND	ND	ND	ND	ND	ND
	10/10/2018	0.28 J	1.8	ND	ND	2.2	ND	1.1 J	ND	5.8	ND	42	ND	ND	ND	ND	ND	ND
	1/24/2019	0.31 J	2.1	ND	ND	2.2	ND	1.2 J	ND	6.3	ND	11	ND	ND	ND	ND	ND	ND
	3/21/2019	0.19 J	1.6	ND	ND	1.8	ND	0.98 J	ND	5.6	ND	6.8	ND	ND	ND	ND	ND	ND
	7/16/2019	ND	1.3	ND	ND	1.3	ND	0.71 J	ND	3.8	ND	21	ND	ND	ND	ND	ND	ND
	12/20/2019	0.21 J	1.1	ND	ND	1.0	ND	ND	NA	3.2	ND	3.0 J	NA	NA	NA	ND	ND	NA
	4/8/2020	0.19 J	1.3	ND	ND	1.3	ND	ND	NA	4.1	ND	5.0	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-3S 18'-33'	10/17/2007	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/1/2008	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND
	7/28/2008	8.2	1.1	1.3	ND	ND	ND	ND	ND	ND	9.8	91	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	0.64 J	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND
	3/24/2009	1.7	ND	1.5	ND	ND	ND	ND	ND	ND	12	42	ND	ND	ND	ND	ND	ND
	6/30/2009	3.0	1.5	4.5	ND	ND	ND	ND	ND	ND	5.2	92	ND	ND	ND	ND	ND	ND
	9/21/2009	9.9	19	19	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	1/7/2010	6.9	3.1	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/3/2010	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	3.7	ND
	11/29/2010	6.9	3.4	11	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND
	3/25/2011	9.0	1.8	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	6.4	0.73 J	0.95 J	ND	ND	ND	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	2.7	0.52 J	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	11/9/2012	0.6 J	ND	0.56 J	ND	ND	ND	ND	ND	ND	6.1	15	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	1.5	ND	ND	0.74 J	1.5

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-31 118'-128'	10/17/2007	190	30	150	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND
	5/2/2008	380	110	430	ND	ND	ND	ND	ND	ND	62	42	ND	ND	4.7	ND	ND	ND
	7/28/2008	270	120	400	3.6	0.78 J	ND	ND	ND	ND	10	94	ND	ND	ND	ND	ND	ND
	12/1/2008	260	160	430	1.8	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND
	3/24/2009	150	140	270	2.3	ND	ND	ND	ND	ND	ND	96	ND	ND	ND	ND	ND	ND
	6/30/2009	160	130	270	1.7	ND	ND	ND	ND	ND	4.2	29	ND	ND	ND	ND	0.59 J	ND
	9/21/2009	190	84	230	1.1	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND
	1/7/2010	260	84	190	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/3/2010	160	64	180	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND
	11/29/2010	140	62	140	0.77 J	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	3/25/2011	94	40	99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	110	36	100	ND	ND	ND	ND	ND	ND	9.0	3.8 J	ND	ND	ND	ND	ND	ND
	11/21/2011	110	30	91	0.57 J	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	190	33	99	0.48 J	ND	ND	ND	ND	ND	ND	9.4	ND	ND	ND	ND	ND	ND
	11/9/2012	240	29	68	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	3/15/2013	57.2	17.6	57.8	ND	ND	ND	ND	ND	ND	9.5	11.5	ND	ND	ND	ND	ND	ND
	6/21/2013	68.9	20	63.4	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND
	10/14/2013	96	31	70	ND	ND	ND	ND	ND	0.59 J	ND	ND	ND	ND	ND	ND	0.64 J	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	71	21	67	ND	ND	ND	ND	ND	ND	ND	8.1 J	ND	ND	ND	ND	ND	ND
	3/27/2014	55	29	69	0.55 J	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	0.65 J	ND
	6/30/2014	50	26	65	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	1.2	ND
	9/29/2014	38	18	72	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND
	1/5/2015	41	20	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.62 J	ND
	4/15/2015	58	23	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	46	19	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	14	8.4	33	ND	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	20	11	39	ND	ND	ND	ND	ND	ND	5.1	22	ND	ND	ND	ND	ND	ND
	4/13/2016	20.3	10.2	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	16	9.8	28	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
	10/11/2016	19	7.4	21	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND
	1/31/2017	12	10	34	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND
	4/11/2017	21	8.9	26	ND	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND	ND	ND	ND
	7/19/2017	31	9.5	22	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	11/1/2017	21	6.6	16	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND
	1/29/2018	26	7.8	21	ND	ND	ND	ND	ND	ND	ND	7.4	ND	ND	ND	ND	ND	ND
	4/11/2018	16	7.1	20	ND	ND	ND	ND	ND	ND	ND	4.1 J	ND	ND	ND	ND	ND	ND
	7/16/2018	14	5.9	14	ND	ND	ND	ND	ND	ND	4.7 J	51	ND	ND	ND	ND	ND	ND
	10/10/2018	12	6.6	16	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	ND	ND	ND
	1/24/2019	27	9.1	22	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	3/21/2019	12	6.6	17	ND	ND	ND	ND	ND	ND	ND	4.8 J	ND	ND	ND	ND	ND	ND
	7/16/2019	9.8	6.6	19	ND	ND	ND	ND	ND	ND	3.7 J	46	ND	ND	ND	ND	ND	ND
	12/20/2019	12	5.5	15	ND	ND	ND	ND	NA	ND	ND	2.9 J	NA	NA	NA	ND	ND	NA
	4/8/2020	18	8.0	22	ND	ND	ND	ND	NA	ND	ND	6.2	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-3D 210'-220'	9/20/2007	140	31	140	0.86 J	ND	ND	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/2008	48	12	52	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	7/28/2008	37	12	44	ND	0.73 J	ND	0.96 J	ND	1.4	8.4	86	ND	ND	ND	ND	ND	ND
	12/1/2008	26	3.5	12	ND	ND	ND	0.55 J	ND	1.5	ND	31	ND	ND	ND	ND	ND	ND
	3/24/2009	20	3.4	8.3	ND	ND	ND	ND	ND	1.4	12	43	ND	ND	ND	ND	ND	ND
	6/30/2009	9.7	1.3	3.4	ND	ND	ND	ND	ND	1.5	5.3	94	ND	ND	ND	ND	ND	ND
	9/21/2009	10	1.3	2.4	ND	ND	ND	ND	ND	1.8	ND	18	ND	ND	ND	ND	ND	ND
	1/7/2010	19	1.5	3.1	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND
	6/3/2010	12	1.6	3.8	ND	0.84 J	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	5.2	ND	1.7	ND	ND	ND	ND	ND	1.2	ND	9.2	ND	ND	ND	ND	ND	ND
	3/25/2011	6.9	0.77 J	1.5	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	7.7	0.89 J	2.0	ND	ND	ND	ND	ND	1.3	8.5	0.52 J	ND	ND	ND	ND	ND	ND
	11/21/2011	5.5	0.48 J	0.72 J	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	5.9	0.73 J	0.7 J	ND	ND	ND	ND	ND	0.99 J	ND	9.7	ND	ND	ND	ND	ND	ND
	11/9/2012	8.0	ND	0.94 J	ND	ND	ND	ND	ND	0.88 J	6.1	15	ND	ND	ND	ND	ND	ND
	3/15/2013	17.6	0.70 J	1.5	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND
	6/21/2013	3.4	ND	0.43 J	ND	ND	ND	ND	ND	ND	ND	3.7 J	ND	ND	ND	ND	ND	ND
	10/14/2013	7.7	0.85 J	0.76 J	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	22	1.1	2.5	ND	0.69 J	ND	ND	ND	1.4	ND	9.2 J	ND	ND	ND	ND	ND	ND
	3/27/2014	7.0	1.2	ND	ND	0.71 J	ND	ND	ND	1.1	ND	45	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	2.0	ND	ND	ND	ND	ND	ND	ND	2.7	ND	45	ND	ND	ND	ND	ND	ND
	1/5/2015	2.9	0.76 J	ND	ND	0.72 J	ND	0.67 J	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	2.6	0.73 J	ND	ND	1.0	ND	0.46 J	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	1.4	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	1.2	0.36 J	ND	ND	0.46 J	ND	ND	ND	0.95 J	ND	5.4	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	1.8	0.42 J	ND	ND	0.34 J	ND	ND	ND	0.76 J	5.5	29	ND	ND	ND	ND	ND	ND
	4/13/2016	1.6	0.47 J	0.38 J	ND	ND	ND	ND	ND	0.84 J	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	1.2	0.35 J	ND	ND	0.26 J	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	10/11/2016	5.6	0.55	0.70 J	ND	0.17 J	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND
	1/31/2017	1.6	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND
	4/11/2017	3.5	0.39 J	ND	ND	ND	ND	ND	ND	ND	ND	4.0 J	ND	ND	ND	ND	ND	ND
	7/19/2017	8.4	0.76	0.89 J	ND	ND	ND	ND	ND	2.1 J	15	ND	ND	ND	ND	ND	ND	ND
	11/1/2017	2.9	0.55 J	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND
	1/29/2018	2.5	0.28 J	ND	ND	ND	ND	ND	ND	ND	ND	8.1	ND	ND	ND	ND	ND	ND
	4/11/2018	2.6	0.43 J	0.74 J	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	7/16/2018	2.4	0.55	0.93 J	ND	ND	ND	ND	ND	6.1	42	ND	ND	ND	ND	ND	ND	ND
	10/10/2018	1.7	0.32 J	ND	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND
	1/24/2019	3.0	0.65	1.1 J	ND	ND	ND	ND	ND	ND	ND	9.7	ND	ND	ND	ND	ND	ND
	3/21/2019	1.6	0.58	1.1 J	ND	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND
	7/16/2019	2.4	0.97	2.0 J	ND	ND	ND	ND	ND	3.3 J	32	ND	ND	ND	ND	ND	ND	ND
	12/20/2019	3.6	0.94	1.5 J	ND	ND	ND	ND	NA	ND	ND	3.0 J	NA	NA	NA	ND	ND	NA
	4/8/2020	1.4	0.71	1.6 J	ND	ND	ND	ND	NA	ND	ND	7.2	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected  
 J- Laboratory Estimated value  
 D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-4S 18'-33'	2/29/2008	2.2	8.2	ND	ND	2.6	ND	ND	ND	5.4	ND	12	ND	ND	4.7	ND	ND	ND
	4/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND
	7/28/2008	0.77 J	ND	1.2	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	24	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/7/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.3	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MLW-4D 200'-210'	12/12/2007	2.1	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND
	4/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND
	7/28/2008	1.1	ND	ND	ND	ND	ND	ND	ND	ND	9.4	80	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	0.94 J	36	90	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	40	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	85	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND
	1/7/2010	0.65 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3	15	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.3	13.4	ND	ND	ND	ND	ND	ND

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow



**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-5S 14'-29'	3/10/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND
	4/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND
	7/28/2008	1.1	1.2	0.53 J	ND	ND	ND	ND	ND	ND	6.8	36	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	26	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND
	1/7/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.7	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.92 J	ND	ND	ND	0.70 J	1.3
MLW-5D 204'-214'	11/19/2007	15	3.1	ND	ND	0.57 J	ND	1.0 J	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND
	4/1/2008	20	7.8	27	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND
	7/28/2008	15	8.9	32	ND	ND	ND	ND	ND	ND	9.5	74	ND	ND	ND	ND	ND	ND
	12/1/2008	27	7.1	28	ND	ND	ND	ND	ND	0.64 J	ND	29	ND	ND	ND	ND	0.56 J	ND
	3/24/2009	18	8.1	27	ND	ND	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	ND
	6/30/2009	7.0	4.8	21	ND	ND	ND	ND	ND	0.59 J	6.6	100	ND	ND	ND	ND	ND	ND
	9/21/2009	18	9.1	32	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	0.75 J	ND
	1/7/2010	23	6.6	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/3/2010	9.0	5.5	24	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	11/29/2010	11	7.5	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/25/2011	15	7.2	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	6.8	5.9	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	11	7.5	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	8.4	5.1	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	9.4	5.2	15	ND	ND	ND	ND	ND	ND	6.5	15	ND	ND	ND	ND	ND	ND
	3/15/2013	3.9	2.9	9.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

## Melody Cleaners Site - VCP Program No. V-00347-1

2050 Hempstead Turnpike, East Meadow, New York

Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-6S 21'-36'	10/17/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	78	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.8	86	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
	1/7/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9 J	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7 J	9.9	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	14	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.97 J	1.4	ND	ND	0.66 J	1.4
	6/21/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.5	3.6 J	ND	ND	ND	ND	ND	ND
	10/14/2013	0.93 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.7 J	ND	ND	ND	ND	ND	ND
	3/27/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	1/5/2015	0.65 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	0.59 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	38	ND	ND	ND	ND	ND	ND
	4/13/2016	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.74 J	ND
	7/7/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	ND	ND	ND	ND	ND	ND
	10/11/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.0	ND	ND	ND	ND	ND	ND
	1/31/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6 J	45.0	ND	ND	ND	ND	ND	ND
	4/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0	ND	ND	ND	ND	ND	ND
	7/19/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND
	11/1/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3	ND	ND	ND	ND	ND	ND
	1/29/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6 J	ND	ND	ND	ND	ND	ND
	7/16/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND
	10/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	3/21/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7 J	44	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.5 J	NA	NA	NA	ND	ND	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	12	NA	NA	NA	ND	ND	NA

## QUALIFIERS:

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

WELL ID: D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-61 148'-158'	10/17/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND
	5/2/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	33	ND	ND	ND	ND	ND	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	78	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND
	3/24/2009	1.9	ND	ND	ND	ND	ND	ND	ND	ND	6.8	170	ND	ND	ND	ND	ND	ND
	6/30/2009	0.71 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
	9/21/2009	0.31 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
	1/7/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/3/2010	0.87 J	ND	ND	ND	ND	ND	ND	ND	ND	16	24	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0	10	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	0.49 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75 J	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	16	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.6	17	ND	ND	ND	ND	ND	ND
	6/21/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9 J	ND	ND	1.2	ND	ND	ND
	10/14/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0 J	ND	ND	ND	ND	ND	ND
	3/27/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
	1/5/2015	0.51 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	0.96 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3	24	ND	ND	ND	ND	ND	ND
	4/13/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	42	ND	ND	ND	ND	ND	ND
	10/11/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND
	1/31/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND
	4/11/2017	0.28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND	ND	ND	ND	ND
	7/19/2017	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	11/1/2017	0.26 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND
	1/29/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/11/2018	0.26 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
	7/16/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND
	10/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.1	ND	ND	ND	ND	ND	ND
	3/21/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	ND	ND	ND	ND	ND	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6 J	40	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.8 J	NA	NA	NA	ND	ND	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	8.6	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-6D 214'-224'	9/18/2007	ND	ND	ND	ND	ND	ND	ND	ND	0.86 J	ND	6.1	ND	ND	ND	ND	ND	ND
	4/4/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	81	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND
	6/30/2009	0.50 J	ND	ND	ND	ND	ND	0.76 J	ND	0.75 J	6.8	94	ND	ND	ND	ND	0.90 J	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	0.79 J	ND
	1/7/2010	0.69 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.78 J	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.89 J	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.82 J	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.5 J	12	ND	ND	ND	ND	1.0 J	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	15	ND	ND	ND	ND	1.0 J	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.79 J	ND
	6/21/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0	13.2	ND	ND	2.8	ND	0.98 J	ND
	10/14/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	ND	ND	0.69 J	ND	ND	ND	ND	ND	ND	ND	9.2 J	ND	ND	ND	ND	1.2	ND
	3/27/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	0.59 J	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND
	1/5/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
	4/15/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND
	11/17/2015	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3	21	ND	ND	ND	ND	0.87 J	ND
	4/13/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	51	ND	ND	ND	ND	0.85 J	ND
	10/11/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	0.81 J	ND
	1/31/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	140	ND	ND	ND	ND	ND	ND
	4/11/2017	0.28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND	ND	0.85 J	ND
	7/19/2017	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	0.93 J	ND
	11/1/2017	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	ND	0.89 J	ND
	1/29/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	ND	ND	ND	ND	0.98 J	ND
	7/16/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53	ND	ND	ND	ND	0.82 J	ND
	10/10/2018	0.18 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	0.92 J	ND
	1/24/2019	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	0.83 J	ND
	3/21/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4	ND	ND	ND	ND	0.88 J	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8 J	48	ND	ND	ND	ND	0.80 J	ND
	12/20/2019	0.24 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.8 J	NA	NA	NA	ND	0.72 J	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	6.6	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-7S 16'-31'	2/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/2/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND
	7/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2	32	ND	ND	ND	ND	ND	ND
	12/1/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	0.51 J	ND	ND	5.0	19	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	0.65 J	ND	4.6 J	ND	ND	ND	ND	ND	ND
	1/7/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	6/3/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	0.85 J	1.8

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-71 193'-203'	2/28/2008	33	10	19	ND	0.67 J	ND	1.4	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	19	16	ND	ND	ND	ND	ND	ND	3.2	ND	32	ND	ND	ND	ND	1.2	ND
	7/28/2008	12	8.6	22	ND	ND	ND	1.3	ND	1.9	12	86	ND	ND	ND	ND	0.51 J	ND
	12/1/2008	13	7.2	18	ND	ND	ND	ND	ND	1.9	ND	24	ND	ND	ND	ND	0.59 J	ND
	3/24/2009	11	8.7	18	ND	ND	ND	0.99 J	ND	1.9	ND	100	ND	ND	ND	ND	ND	ND
	6/30/2009	7.2	5.3	12	ND	1.0	ND	1.3	ND	1.9	ND	80	ND	ND	ND	ND	0.58 J	ND
	9/21/2009	7.2	5.9	14	ND	0.68 J	ND	1.4	ND	2.2	ND	14	ND	ND	ND	ND	0.57 J	ND
	1/7/2010	11	5.5	9.7	ND	0.64 J	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND
	6/3/2010	7.6	6.7	17	ND	1.2	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	5.0	5.3	11	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND
	3/25/2011	8.4	5.8	11	ND	0.64 J	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	3.5	3.6	9.9	ND	0.55 J	ND	ND	ND	0.84 J	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	6.6	5.7	16	ND	0.66 J	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	0.54 J	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	6.6	5.8	17	ND	0.62 J	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	0.48 J	ND
	11/9/2012	8.8	6.1	18	ND	0.61 J	ND	ND	ND	1.6	5.7	15	ND	ND	ND	ND	0.47 J	ND
	3/15/2013	5.5	4.1	13.8	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND
	6/21/2013	7.5	5.4	17	ND	0.47 J	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND
	10/14/2013	12	9.2	21	ND	1.7	ND	0.76 J	ND	0.84 J	ND	ND	ND	ND	ND	ND	0.47 J	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	16	7.3	22	ND	0.92 J	ND	0.89 J	ND	1.5	ND	8.7 J	ND	ND	ND	ND	ND	ND
	3/27/2014	5.3	10	8.4	ND	ND	ND	1.5	ND	1.7	ND	45	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	13	6.3	21	ND	ND	ND	ND	ND	1.8	ND	24	ND	ND	ND	ND	ND	ND
	1/5/2015	14	6.9	15	ND	0.66 J	ND	0.72 J	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	21	9.0	19	ND	0.80 J	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	14	7.2	18	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	5.8	4.9	17	ND	0.36 J	ND	ND	ND	0.91 J	ND	3.5 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	7.4	5.5	15	ND	0.36 J	ND	ND	ND	0.82 J	5.8	23	ND	ND	ND	ND	ND	ND
	4/13/2016	7.4	4.9	11.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	9.1	5.7	15	ND	0.34 J	ND	ND	ND	0.94 J	2.5 J	ND	ND	ND	ND	ND	ND	ND
	10/11/2016	13	5.8	15	ND	0.33 J	ND	ND	ND	0.90 J	ND	38	ND	ND	ND	ND	ND	ND
	1/31/2017	6.6	5.0	12	ND	0.32 J	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND
	4/11/2017	10	5.7	14	ND	0.27 J	ND	ND	ND	0.71 J	ND	1.6 J	ND	ND	ND	ND	ND	ND
	7/19/2017	12	5.9	15	ND	0.26 J	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
	11/1/2017	13	6.2	14	ND	0.23 J	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
	1/29/2018	14	5.7	15	ND	0.21 J	ND	ND	ND	ND	ND	4.0 J	ND	ND	ND	ND	ND	ND
	4/11/2018	15	7.0	17	ND	0.21 J	ND	ND	ND	ND	ND	4.5 J	ND	ND	ND	ND	ND	ND
	7/16/2018	12	5.3	13	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	10/10/2018	14	6.5	15	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	ND
	1/24/2019	21	7.0	14	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	3/21/2019	9.1	5.1	13	ND	ND	ND	ND	ND	ND	ND	4.5 J	ND	ND	ND	ND	ND	ND
	7/16/2019	14	6.7	14	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	ND
	12/20/2019	15	5.2	10	ND	ND	ND	ND	NA	ND	ND	2.8 J	NA	NA	NA	ND	ND	NA
	4/8/2020	13	6.5	10	ND	ND	ND	ND	NA	ND	ND	5.3	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected  
J- Laboratory Estimated value  
D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW- 7D 230'-240'	2/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/2/2008	ND	4.8	4.4	ND	2.2	ND	2.8	ND	3.4	ND	18	ND	ND	ND	ND	ND	ND
	7/28/2008	9.5	9.7	20	ND	1.8	ND	2.2	ND	2.6	12	79	ND	ND	ND	ND	ND	ND
	12/1/2008	14	8.6	18	0.66 J	1.1	ND	2.0	ND	2.3	ND	20	ND	ND	ND	ND	ND	ND
	3/24/2009	9.4	13	17	ND	ND	ND	3.4	ND	4.0	ND	120	ND	ND	ND	ND	ND	ND
	6/30/2009	4.2	7.6	9.2	ND	1.6	ND	2.5	ND	3.0	8.0	86	ND	ND	ND	ND	ND	ND
	9/21/2009	5.8	8.6	13	ND	1.6	ND	3.1	ND	3.7	ND	21	ND	ND	ND	ND	0.47 J	ND
	1/7/2010	7.2	8.7	10	ND	1.4	ND	ND	ND	2.8	ND	2.9 J	ND	ND	ND	ND	ND	ND
	6/3/2010	3.3	9.3	11	ND	1.7	ND	ND	ND	2.9	2.8 J	4.9 J	ND	ND	ND	ND	ND	ND
	11/29/2010	3.7	9.1	9.8	ND	1.7	ND	ND	ND	2.3	ND	18	ND	ND	ND	ND	ND	ND
	3/25/2011	5.0	10	9.1	ND	1.5	ND	1.9	ND	2.3	ND	4.9 J	ND	ND	ND	ND	ND	ND
	7/7/2011	3.0	8.3	9.7	ND	1.6	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	2.6	8.5	7.7	ND	1.6	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	5.7	9.7	12	ND	1.2	ND	ND	ND	2.0	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	5.4	9.1	10	ND	1.1	ND	1.6	ND	1.9	6.2	15	ND	ND	ND	ND	ND	ND
	3/15/2013	2.1	5.2	7.5	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
	6/21/2013	5.1	7.4	9.8	ND	0.83 J	ND	ND	ND	ND	ND	4.0 J	ND	ND	ND	ND	ND	ND
	10/14/2013	10	12	14	ND	1.1	ND	1.4	ND	2.0	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	6.1	8.1	6.8	ND	1.3	ND	1.6	ND	2.0	ND	7.8 J	ND	ND	ND	ND	0.42 J	ND
	3/27/2014	11	11	19	ND	0.63 J	ND	0.83 J	ND	0.88 J	ND	ND	ND	ND	ND	ND	0.66 J	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	7.8	8.2	14	ND	ND	ND	1.1	ND	2.2	ND	26	ND	ND	ND	ND	ND	ND
	1/5/2015	5.7	7.9	7.9	ND	0.63 J	ND	1.1	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	15	10	13	ND	1.6	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	8.6	9.4	10	ND	0.81 J	ND	1.2	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	2.1	5.1	5.0	ND	ND	ND	ND	ND	1.2 J	ND	3.5 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	2.1	5.2	4.7	ND	0.56	ND	0.76 J	ND	1.1 J	6.0	ND	ND	ND	ND	ND	ND	ND
	4/13/2016	3.2	5.6	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	2.7	5.6	5.6	ND	0.58	ND	ND	ND	1.1 J	4.6 J	64	ND	ND	ND	ND	ND	ND
	10/11/2016	3.1	6.3	4.3	ND	0.62	ND	0.86 J	ND	1.2 J	ND	32	ND	ND	ND	ND	ND	ND
	1/31/2017	1.6	4.4	3.8	ND	0.52	ND	ND	ND	3.2 J	62	ND	ND	ND	ND	ND	ND	ND
	4/11/2017	2.5	4.9	3.9	ND	0.55	ND	ND	ND	0.99 J	ND	8.0	ND	ND	ND	ND	ND	ND
	7/19/2017	2.5	6.1	3.1	ND	0.57	ND	0.87 J	ND	1.0 J	ND	11	ND	ND	ND	ND	ND	ND
	11/1/2017	3.6	5.6	4.6	ND	0.44 J	ND	ND	ND	1.0 J	ND	5.5	ND	ND	ND	ND	ND	ND
	1/29/2018	4.0	5.2	6.6	ND	0.44 J	ND	ND	ND	0.79 J	ND	4.1 J	ND	ND	ND	ND	ND	ND
	4/11/2018	3.5	5.7	5.8	ND	0.48 J	ND	ND	ND	0.96 J	ND	13	ND	ND	ND	ND	ND	ND
	7/16/2018	2.6	4.7	4.2	ND	0.30 J	ND	ND	ND	0.71 J	3.0 J	37	ND	ND	ND	ND	ND	ND
	10/10/2018	3.2	5.5	5.2	ND	0.42 J	ND	ND	ND	0.92 J	ND	42	ND	ND	ND	ND	ND	ND
	1/24/2019	2.7	4.5	3.0	ND	0.40 J	ND	ND	ND	0.71 J	ND	10	ND	ND	ND	ND	ND	ND
	3/21/2019	2.7	5.0	4.5	ND	ND	ND	ND	ND	0.40 J	ND	3.0 J	ND	ND	ND	ND	0.88 J	ND
	7/16/2019	2.3	4.6	5.0	ND	0.24 J	ND	ND	ND	0.76 J	ND	40	ND	ND	ND	ND	ND	ND
	12/20/2019	4.1	4.7	4.7	ND	0.26 J	ND	ND	NA	ND	ND	3.2 J	MA	NA	NA	ND	ND	NA
	4/8/2020	3.7	4.5	4.8	ND	0.27 J	ND	ND	NA	ND	ND	6.8	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-8S 20'-35'	10/30/2007	4.3	1.0 J	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	1.6	0.63 J	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND
	7/28/2008	4.6	ND	2.2	ND	ND	ND	ND	ND	ND	6.8	32	ND	ND	ND	ND	ND	ND
	12/1/2008	1.7	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND
	3/24/2009	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.7	ND	ND	ND	ND	ND	ND
	6/30/2009	1.2	ND	1.2	ND	ND	ND	ND	ND	ND	5.2	21	ND	ND	ND	ND	ND	ND
	9/21/2009	1.2	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/7/2010	1.2	ND	0.84 J	ND	ND	ND	ND	ND	ND	ND	6.7	ND	ND	ND	ND	ND	ND
	6/3/2010	0.71 J	ND	0.84 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	0.77 J	ND	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND
	3/25/2011	0.59 J	ND	0.61 J	ND	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	ND	ND
	7/7/2011	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	0.54 J	0.81 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	0.57 J	ND	0.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND
	3/15/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.81 J	0.96 J	ND	ND	0.77 J	1.0	ND
	6/21/2013	0.46 J	0.41 J	0.84 J	ND	ND	ND	ND	ND	ND	ND	7.5	ND	0.96 J	ND	ND	0.64 J	ND
	10/14/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.96 J	1.9	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND	ND	ND
	3/27/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
	1/5/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	4/15/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	11/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/13/2016	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
	10/11/2016	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND
	1/31/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2 J	54	ND	ND	ND	ND	ND	ND
	4/11/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.6	89	ND	ND	ND	ND	ND	ND
	7/19/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND
	11/1/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.3	0.71	ND	ND	0.94 J	0.53	ND
	1/29/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND
	4/11/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND	ND	ND	ND
	7/16/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
	10/10/2018	7.1	2.6	5.5	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.1 J	26	ND	ND	ND	ND	ND	ND
	3/21/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.0	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	4.3 J	NA	NA	NA	ND	ND	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.4 J	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow



**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-81 123'-133'	10/30/2007	94	31	82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/28/2008	14	5.6	18	ND	ND	ND	ND	ND	ND	11	81	ND	ND	ND	ND	ND	ND
	12/1/2008	39	9.6	27	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND
	3/24/2009	75	16	55	ND	ND	ND	ND	ND	ND	ND	71	ND	ND	ND	ND	ND	ND
	6/30/2009	230	33	79	1.1	ND	ND	ND	ND	ND	6.6	97	ND	ND	ND	ND	ND	ND
	9/21/2009	96	28	92	0.81 J	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	0.47 J	ND
	1/7/2010	240	23	72	0.67 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/3/2010	85	9.8	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	34	8.2	23	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
	3/25/2011	41	7.1	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	11	3.8	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	12	5.9	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	12	4.9	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	7.9	5.3	20	ND	ND	ND	ND	ND	ND	5.6	15	ND	ND	ND	ND	ND	ND
	3/15/2013	15.9	7.7	27.5	ND	ND	ND	ND	ND	ND	2.1 J	2.8 J	ND	ND	ND	ND	ND	ND
	6/21/2013	10.2	3.6	12.9	ND	ND	ND	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	ND	ND
	10/14/2013	9.7	4.6	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	41	12	42	0.58 J	ND	ND	ND	ND	ND	ND	9.1 J	ND	ND	ND	ND	ND	ND
	3/27/2014	36	19	47	ND	ND	ND	ND	ND	ND	ND	53	ND	ND	ND	ND	0.59 J	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	15	7.3	33	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	1/5/2015	49	14	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56 J	ND
	4/15/2015	59	17	35	ND	ND	ND	ND	ND	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	6.3	2.3	8.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	4.0	3.1	13	ND	ND	ND	ND	ND	ND	ND	4.7 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	11	5.7	20	ND	ND	ND	ND	ND	ND	6.8	24	ND	ND	ND	ND	ND	ND
	4/13/2016	13.3	5.8	16.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	2.6	1.7	6.2	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	10/11/2016	4.3	1.3	4.0	ND	ND	ND	ND	ND	ND	2.2 J	36	ND	ND	ND	ND	ND	ND
	1/31/2017	6.0	4.2	14	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND
	4/11/2017	25	7.1	21	ND	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	ND	ND	ND
	7/19/2017	5.6	0.88	2.1 J	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND	ND	ND	ND	ND
	11/1/2017	10	2.5	5.3	ND	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND
	1/29/2018	14	3.3	8.5	ND	ND	ND	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	ND	ND
	4/11/2018	20	6.2	15	ND	ND	ND	ND	ND	ND	ND	4.9 J	ND	ND	ND	ND	ND	ND
	7/16/2018	1.5	0.38 J	1.0 J	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND
	10/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.2	ND	ND	ND	ND	ND	ND
	1/24/2019	20	4.6	9.5	ND	ND	ND	ND	ND	ND	ND	9.9	ND	ND	ND	ND	ND	ND
	3/21/2019	15	4.5	11	ND	ND	ND	ND	ND	ND	ND	3.7 J	ND	ND	ND	ND	ND	ND
	7/16/2019	6.1	1.6	3.4	ND	ND	ND	ND	ND	ND	ND	51	ND	ND	ND	ND	ND	ND
	12/20/2019	13	4.8	11	ND	ND	ND	ND	NA	ND	ND	3.3 J	NA	NA	NA	ND	ND	NA
	4/8/2020	17	6.0	16	ND	ND	ND	ND	NA	ND	ND	7.4	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-8D 215'-225'	11/19/2007	420	ND	25 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	290	24	92	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND
	7/28/2008	210	91	270	2.7	ND	ND	ND	ND	ND	11	79	ND	ND	ND	ND	ND	ND
	12/1/2008	260	79	240	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/24/2009	150	100	180	2.6	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND
	6/30/2009	240	83	240	2.4	ND	ND	ND	ND	ND	7.4	87	ND	ND	ND	ND	0.54 J	ND
	9/21/2009	94	110	150	3.1	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	1.2	ND
	1/7/2010	180	56	140	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND
	6/3/2010	190	95	260	2.9	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	0.98 J	ND
	11/29/2010	98	39	110	1.4	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND
	3/25/2011	130	41	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	50	31	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	74	36	120	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	90	39	86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47 J	ND
	11/9/2012	150	41	100	0.83 J	ND	ND	ND	ND	ND	6.3	14	ND	ND	ND	ND	ND	ND
	3/15/2013	64.2	32.2	96.2	0.49 J	ND	ND	ND	ND	ND	ND	2.2 J	ND	ND	ND	ND	ND	ND
	6/21/2013	110	41	95.7	ND	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND
	10/14/2013	180	47	99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.50 J	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	160	43	94	0.81 J	ND	ND	ND	ND	ND	ND	7.6 J	ND	ND	ND	ND	0.56 J	ND
	3/27/2014	120	60	89	ND	ND	ND	ND	ND	ND	ND	50	ND	ND	ND	ND	0.57 J	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	120	35	78	ND	ND	0.90 J	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND
	1/5/2015	110	34	55	ND	0.29 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68 J	ND
	4/15/2015	160	34	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	88	22	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.73 J	ND
	11/17/2015	23	10	25	ND	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	34	12	25	ND	ND	ND	ND	ND	ND	6.5	24	ND	ND	ND	ND	ND	ND
	4/13/2016	63.8	16.6	32.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	54	14	30	ND	ND	ND	ND	ND	ND	ND	50	ND	ND	ND	ND	ND	ND
	10/11/2016	83	18	41	ND	ND	ND	ND	ND	ND	ND	51	ND	ND	ND	ND	ND	ND
	1/31/2017	54	22	53	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND
	4/11/2017	93	24	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/19/2017	120	23	48	ND	ND	ND	ND	ND	ND	2.1 J	20	ND	ND	ND	ND	ND	ND
	11/1/2017	100	22	46	ND	ND	ND	ND	ND	ND	ND	6.1	ND	ND	ND	ND	ND	ND
	1/29/2018	110	24	56	ND	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	ND	ND	ND
	4/11/2018	100	29	61	ND	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND
	7/16/2018	64	15	34	ND	ND	ND	ND	ND	ND	2.0 J	29	ND	ND	ND	ND	ND	ND
	10/10/2018	53	13	28	ND	ND	ND	ND	ND	ND	ND	63	ND	ND	ND	ND	ND	ND
	1/24/2019	87	11	21	ND	ND	ND	ND	ND	ND	ND	8.9	ND	ND	ND	ND	ND	ND
	3/21/2019	90	10	20	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND
	7/16/2019	57	8.8	17	ND	ND	ND	ND	ND	ND	ND	77	ND	ND	ND	ND	ND	ND
	12/20/2019	35	5	11	ND	ND	ND	ND	NA	ND	ND	3.2 J	NA	NA	NA	ND	ND	NA
	4/8/2020	20	3.8	7.1	ND	ND	ND	ND	NA	ND	ND	5.9	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-9S 20'-35'	2/28/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND
	7/28/2008	4.6	ND	ND	ND	ND	ND	ND	ND	ND	7.2	32	ND	ND	ND	ND	ND	ND
	12/1/2008	0.74 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND
	3/24/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6	19	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8	ND	ND	ND	ND	ND	ND
	1/7/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	6/3/2010	0.79 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47 J	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	3/15/2013	ND	0.52 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/21/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.5	ND	ND	ND	ND	ND	ND
	10/14/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	0.78 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	0.46 J	ND
	3/27/2014	0.87 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/5/2015	0.92 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	0.31 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/13/2016	0.46 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8 J	ND	ND	ND	ND	ND	ND
	7/7/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3 J	33	ND	ND	ND	ND	ND	ND
	10/11/2016	0.32 J	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	54	ND	ND	ND	ND	ND	ND
	1/31/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	60	ND	ND	ND	ND	ND	ND
	4/11/2017	0.30 J	ND	ND	ND	ND	ND	ND	ND	ND	5.0	33	ND	ND	ND	ND	ND	ND
	7/19/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	ND	ND
	11/1/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2 J	32	ND	ND	ND	ND	ND	ND
	1/29/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
	4/11/2018	0.28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.7	ND	ND	ND	ND	ND	ND
	7/16/2018	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	2.9 J	19	ND	ND	ND	ND	ND	ND
	10/10/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	ND	ND	ND	ND	0.97 J	ND
	1/24/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	ND	ND	ND	ND	ND	ND
	3/21/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	ND	ND	ND
	7/16/2019	100	22	44	ND	ND	ND	ND	ND	0.17 J	ND	36	ND	ND	ND	ND	ND	ND
	12/20/2019	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	44	NA	NA	NA	ND	ND	NA
	4/8/2020	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.1 J	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-91 212'-222'	2/27/2008	150	53	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	210	140	240	3.7	2.0	ND	ND	ND	5.1	ND	22	ND	ND	ND	ND	ND	ND
	7/28/2008	160	99	190	1.5	1.4	ND	1.1	ND	4.5	9.9	61	ND	ND	ND	ND	ND	ND
	12/1/2008	180	84	180	2.2	1.6	ND	0.68 J	ND	4.9	ND	22	ND	ND	ND	ND	0.66 J	ND
	3/24/2009	150	150	140	2.0	ND	ND	ND	ND	5.8	ND	96	ND	ND	ND	ND	ND	ND
	6/30/2009	110	84	110	1.7	ND	ND	ND	ND	5.8	ND	20	ND	ND	ND	ND	ND	ND
	9/21/2009	120	72	120	1.6	1.5	ND	ND	ND	6.2	ND	27	ND	ND	ND	ND	ND	ND
	1/7/2010	260	96	100	1.5	1.4	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	0.4 J	ND
	6/3/2010	220	79	99	1.7	1.5	ND	1.0	ND	5.0	2.2 J	18	ND	ND	ND	ND	ND	ND
	11/29/2010	95	65	68	1.2	2.0	ND	ND	ND	4.4	ND	5.5	ND	ND	ND	ND	ND	ND
	3/25/2011	86	60	64	0.94 J	1.3	ND	ND	ND	4.6	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	60	41	42	ND	1.4	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	40	52	80	1.0	1.6	ND	ND	ND	4.5	ND	ND	ND	ND	ND	ND	0.42 J	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	110	51	43	ND	1.2	ND	ND	ND	4.0	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/2012	160	55	72	ND	1.3	ND	ND	ND	3.4	ND	15	ND	ND	ND	ND	ND	ND
	3/15/2013	70.5	25.8	50.1	ND	0.74 J	ND	ND	ND	2.4	ND	0.85 J	ND	ND	ND	ND	ND	ND
	6/21/2013	90.6	26.2	37.9	ND	0.96 J	ND	ND	ND	3.3	ND	3.8 J	ND	ND	ND	ND	ND	ND
	10/14/2013	170	44	60	0.63 J	1.4	ND	ND	ND	3.9	ND	ND	ND	ND	ND	ND	0.50 J	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	180	54	110	0.87 J	1.1	ND	0.73 J	ND	2.8	ND	9.4 J	ND	ND	ND	ND	ND	ND
	3/27/2014	110	56	67	ND	ND	ND	ND	ND	2.1	ND	46	ND	ND	ND	ND	ND	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	210	44	72	ND	0.79 J	ND	1.0 J	ND	3.1	ND	23	ND	ND	ND	ND	ND	ND
	1/5/2015	190	43	71	ND	0.83 J	ND	0.42 J	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	230	39	64	ND	0.85 J	ND	0.58 J	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	130	25	46	ND	0.86 J	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	52	23	43	ND	0.50	ND	ND	ND	1.5 J	ND	6.1	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	86	31	46	ND	0.56	ND	ND	ND	1.2 J	23	42	ND	ND	ND	ND	ND	ND
	4/13/2016	74.8	22.9	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2016	79	26	44	ND	0.46 J	ND	ND	ND	1.4 J	2.5 J	48	ND	ND	ND	ND	ND	ND
	10/11/2016	140	46	90	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND
	1/31/2017	91	40	89	ND	ND	ND	ND	ND	0.84 J	ND	46	ND	ND	ND	ND	ND	ND
	4/11/2017	180	38	63	ND	ND	ND	ND	ND	ND	ND	9.2 J	ND	ND	ND	ND	ND	ND
	7/19/2017	280	52	85	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
	11/1/2017	190	38	65	ND	ND	ND	ND	ND	ND	ND	9.8 J	ND	ND	ND	ND	ND	ND
	1/29/2018	260	45	92	ND	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	ND	ND
	4/11/2018	210 E	41	77	ND	ND	ND	ND	ND	ND	ND	9.4	ND	ND	ND	ND	ND	ND
	7/16/2018	160	30	59	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND
	10/10/2018	170	38	77	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND
	1/24/2019	200	31	56	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
	3/21/2019	160	36	66	ND	0.21 J	ND	ND	ND	ND	ND	4.6 J	ND	ND	ND	ND	ND	ND
	7/16/2019	88	23	48	ND	0.21 J	ND	ND	ND	ND	ND	55	ND	ND	ND	ND	ND	ND
	12/20/2019	110	25	51	ND	0.19 J	ND	ND	NA	ND	ND	3.0 J	NA	NA	NA	ND	ND	NA
	4/8/2020	160	28	55	ND	ND	ND	ND	NA	ND	ND	6.1 J	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site - VCP Program No. V-00347-1**

**2050 Hempstead Turnpike, East Meadow, New York**

**Table 1: Groundwater Sampling Data Compendium - Volatile Organic Compounds USEPA Method 8260**

Parameters	Sampling Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	2-Butanone (MEK)	Acetone	Bromodichloromethane	Bromoform	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Dibromochloromethane
NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)		5	5	5	5	5	2	5	1	5	50	50	50	50	60	5	7	50
MLW-9D 247'-257'	2/28/2008	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND
	7/28/2008	1.9	ND	ND	ND	ND	ND	ND	ND	ND	8.3	59	ND	ND	ND	ND	ND	ND
	12/1/2008	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND
	3/24/2009	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND	ND
	6/30/2009	1.0	ND	ND	ND	ND	ND	ND	ND	ND	8.4	91	ND	ND	ND	ND	ND	ND
	9/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND
	1/7/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3	ND	ND	ND	ND	ND	ND
	6/3/2010	0.84 J	ND	ND	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	ND	ND	ND
	11/29/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/25/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/7/2011	50	31	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
	Full Scale REMOX Injection December 2011 - January 2012																	
	5/22/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4	ND	ND	ND	ND	0.46 J	ND
	11/9/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6	14	ND	ND	ND	ND	ND	ND
	3/15/2013	0.57 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/21/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.5	43.9	ND	ND	ND	ND	ND	ND
	10/14/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-2 & IW-3) October 2013																	
	1/6/2014	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.0 J	ND	ND	ND	ND	0.58 J	ND
	3/27/2014	0.93 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND	0.49 J	ND
	6/30/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/29/2014	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/5/2015	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/2015	0.75 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) April/May 2015																	
	7/9/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND	ND	ND	ND
	Polishing REMOX Injection (Injection Well Clusters IW-1 & IW-3) November 2015																	
	1/6/2016	0.72	0.26 J	ND	ND	ND	ND	ND	ND	ND	7.0	35	ND	ND	ND	ND	ND	ND
	4/13/2016	0.66 J	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68 J	ND
	7/7/2016	0.78	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	58	ND	ND	ND	ND	1.1 J	ND
	10/11/2016	0.9	0.30 J	ND	ND	ND	ND	ND	ND	ND	2.3 J	47	ND	ND	ND	ND	0.81 J	ND
	1/31/2017	0.27 J	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND
	4/11/2017	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	ND	ND
	7/19/2017	0.31 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	ND	ND	ND	ND	ND	ND
	11/1/2017	0.29 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND
	1/29/2018	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7 J	ND	ND	ND	ND	ND	ND
	4/11/2018	0.28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND
	7/16/2018	0.30 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND
	10/10/2018	1.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	ND	ND
	1/24/2019	0.28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	1.8 J	ND
	3/21/2019	0.19 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	2.0 J	ND
	7/16/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	0.75 J	ND
	12/20/2019	0.24 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	2.6 J	NA	NA	NA	ND	ND	NA
	4/8/2020	0.31 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	6.3	NA	NA	NA	ND	ND	NA

**QUALIFIERS:**

ND - Compound analyzed but was not detected

J- Laboratory Estimated value

D- Laboratory dilution analysis

**WELL ID:** D - Deep I - Intermediate S - Shallow

**Melody Cleaners Site NYSDEC VCP Program No. V-00347-1  
2050 Hempstead Turnpike, East Meadow, New York**

**Table 2  
Fourth Quarter 2019 Groundwater Sampling Results  
Volatile Organic Compounds USEPA Method 8260**

Sample Source	MLW-01	MLW-0D	IW-1S	IW-1D	IW-2D	IW-3S	IW-3D	MLW-1 IS		MLW-1 ID	NYSDEC Part 703 Class GA Groundwater Standards (µg/l)
Sample Identification	MLW-01	MLW-0D	IW-1S	IW-1D	IW-2D	IW-3S	IW-3D	MLW-1IS	DUP-1	MLW-1ID	
Laboratory ID	L1961607-02	L1961607-03	L1961607-05	L1961607-06	L1961607-07	L1961607-08	L1961607-09	L1961607-10	L1961607-11	L1961607-12	
Dilution Factor	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
Sampling Date	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	
PARAMETER - µg/l											
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.86 J	5.0
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	29	0.60	ND	71	5.6	4.5	3.2	5.0
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	ND	0.21 J	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.36 J	ND	2.0
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27 J	5.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.33 J	0.37 J	5.0
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Acetone	2.5 J	3.0 J	2.8 J	2.8 J	2.5 J	3.4 J	3.0 J	4.3 J	4.8 J	3.6 J	50
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
<b>Total VOCs</b>	2.5	3.0	2.8	31.8	3.3	3.4	74	9.90	9.99	8.30	

Notes:

ND - Not Detected

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

**Melody Cleaners Site NYSDEC VCP Program No. V-00347-1  
2050 Hempstead Turnpike, East Meadow, New York**

**Table 2  
Fourth Quarter 2019 Groundwater Sampling Results  
Volatile Organic Compounds USEPA Method 8260**

Sample Source	MLW-1D	SVE-1	SVE-2	SW-1	MLW-2I	MLW-2D	MLW-3I	MLW-3D	MLW-6S	MLW-6I	NYSDEC Part 703 Class GA Groundwater Standards (µg/l)
Sample Identification	MLW-1D	SVE-1	SVE-2	SW-1	MLW-2I	MLW-2D	MLW-3I	MLW-3D	MLW-6S	MLW-6I	
Laboratory Identification	L1961607-13	L1961607-04	L1961607-14	L1961607-15	L1961607-16	L1961607-17	L1961607-18	L1961607-19	L1961607-20	L1961607-21	
Dilution Factor	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	
Sampling Date	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	
PARAMETER - µg/l											
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	5.0
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Tetrachloroethene	0.76	ND	ND	ND	13	0.21	12	3.6	ND	ND	5.0
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	5.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	ND	2.9	1.1	5.5	0.94	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
cis-1,2-Dichloroethene	ND	ND	ND	ND	5.2	ND	15	1.5 J	ND	ND	5.0
Acetone	3.3 J	2.7 J	3.7 J	3.5 J	3.7 J	3.0 J	2.9 J	3.0 J	2.5 J	2.8 J	50
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
<b>Total VOCs</b>	<b>4.06</b>	<b>2.70</b>	<b>3.70</b>	<b>3.50</b>	<b>6.20</b>	<b>8.51</b>	<b>35.40</b>	<b>9.04</b>	<b>2.50</b>	<b>2.80</b>	

Notes:

ND - Not Detected

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

Melody Cleaners Site NYSDEC VCP Program No. V-00347-1  
2050 Hempstead Turnpike, East Meadow, New York

Table 2  
Fourth Quarter 2019 Groundwater Sampling Results  
Volatile Organic Compounds USEPA Method 8260

Sample Source	MLW-6D	MLW-7I	MLW-7D	MLW-8S	MLW-8I	MLW-8D	MLW-9S	MLW-9I		MLW-9D	NYSDEC Part 703 Class GA Groundwater Standards (µg/l)
Sample Identification	MLW-6D	MLW-7I	MLW-7D	MLW-8S	MLW-8I	MLW-8D	MLW-9S	MLW-9I	DUP-2	MLW-9D	
Laboratory Identification	L1961607-22	L1961607-23	L1961607-24	L1961607-25	L1961607-26	L1961607-27	L1961607-28	L1961607-29	L1961607-30	L1961607-31	
Dilution Factor	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	
Sampling Date	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	12/20/2019	
PARAMETER - µg/l											
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Chloroform	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Tetrachloroethene	0.24 J	15	4.1	ND	13	35	ND	110	110	0.24 J	5.0
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Toluene	ND	0.87 J	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0
1,1-Dichloroethene	ND	ND	0.26 J	ND	ND	ND	ND	0.19 J	ND	ND	5.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Trichloroethene	ND	5.2	ND	ND	4.8	5.0	ND	25	24	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
cis-1,2-Dichloroethene	ND	10	4.7	ND	11	11	ND	51	50	ND	5.0
Acetone	2.8 J	2.8 J	3.2 J	4.3 J	3.3 J	3.2 J	44	3.0 J	2.8 J	2.6 J	50
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
	3.76	33.87	12.26	4.30	32.10	54.20	44.00	189.19	186.80	2.84	

Notes:

ND - Not Detected

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.



**Melody Cleaners Site NYSDEC VCP Program No. V-00347-1  
2050 Hempstead Turnpike, East Meadow, New York**

**Table 3  
First Quarter 2020 Groundwater Sampling Results  
Volatile Organic Compounds USEPA Method 8260**

Sample Source	MLW-0I	MLW-0D	IW-1S	IW-1D	IW-2D	IW-3S	IW-3D	MLW-1 IS		MLW-1 ID	NYSDEC Part 703 Class GA Groundwater Standards (µg/l)
Sample Identification	MLW-0I	MLW-0D	IW-1S	IW-1D	IW-2D	IW-3S	IW-3D	MLW-1IS	DUP-1	MLW-1ID	
Laboratory Identification	L2015422-02	L2015422-03	L2015422-05	L2015422-06	L2015422-07	L2015422-08	L2015422-09	L2015422-10	L2015422-11	L2015422-11	
Dilution Factor	1:1	1:1	1:1	1:1	1:1	1:1	2:1	1:1	1:1	1:1	
Sampling Date	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	
PARAMETER - µg/l											
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2	5.0
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Tetrachloroethene	ND	ND	ND	48	1.1	ND	180	33	32	3.2	5.0
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	5.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	5.0
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Acetone	6.8	4.3 J	21	6.3	5.4	7.8	24	8.7	5.7	26	50
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Total VOCs	6.8	4.3	21.0	53.4	6.5	7.8	204	41.70	37.70	9.80	

Notes:

ND- Not Detected

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

**Melody Cleaners Site NYSDEC VCP Program No. V-00347-1  
2050 Hempstead Turnpike, East Meadow, New York**

**Table 3  
First Quarter 2020 Groundwater Sampling Results  
Volatile Organic Compounds USEPA Method 8260**

Sample Source	MLW-1D	SVE-1	SVE-2	SW-1	MLW-2I	MLW-2D	MLW-3I	MLW-3D	MLW-6S	MLW-6I	NYSDEC Part 703 Class GA Groundwater Standards (µg/l)
Sample Identification	MLW-1D	SVE-1	SVE-2	SW-1	MLW-2I	MLW-2D	MLW-3I	MLW-3D	MLW-6S	MLW-6I	
Laboratory Identification	L2015422-13	L2015422-04	L2015422-14	L2015422-15	L2015422-16	L2015422-17	L2015422-18	L2015422-19	L2015422-20	L2015422-21	
Dilution Factor	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	
Sampling Date	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	
PARAMETER - µg/l											
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	ND	ND	4.1	ND	ND	ND	ND	5.0
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Tetrachloroethene	3.8	ND	0.30 J	ND	12	0.19 J	18	1.4	ND	ND	5.0
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	5.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	ND	2.8	1.3	8.0	0.71	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
cis-1,2-Dichloroethene	ND	ND	ND	ND	5.3	ND	22	1.6 J	ND	ND	5.0
Acetone	9.0	4.9 J	9.0	5.6	5.6	5.0	6.2	7.2	12	8.6	50
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
<b>Total VOCs</b>	<b>12.80</b>	<b>4.90</b>	<b>9.30</b>	<b>5.60</b>	<b>25.70</b>	<b>11.89</b>	<b>54.20</b>	<b>10.91</b>	<b>12.00</b>	<b>8.60</b>	

Notes:

ND- Not Detected

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

Melody Cleaners Site NYSDEC VCP Program No. V-00347-1  
2050 Hempstead Turnpike, East Meadow, New York

Table 3  
First Quarter 2020 Groundwater Sampling Results  
Volatile Organic Compounds USEPA Method 8260

Sample Source	MLW-6D	MLW-7I	MLW-7D	MLW-8S	MLW-8I	MLW-8D	MLW-9S	MLW-9I		MLW-9D	NYSDEC Part 703 Class GA Groundwater Standards (µg/l)
Sample Identification	MLW-6D	MLW-7I	MLW-7D	MLW-8S	MLW-8I	MLW-8D	MLW-9S	MLW-9I	DUP-2	MLW-9D	
Laboratory Identification	L2015422-22	L2015422-23	L2015422-24	L2015422-25	L2015422-26	L2015422-27	L2015422-28	L2015422-29	L2015422-30	L2015422-31	
Dilution Factor	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	2 : 1	1 : 1	1 : 1	
Sampling Date	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	4/8/2020	
PARAMETER - µg/l											
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Chloroform	0.75 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.0
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Tetrachloroethene	ND	13	3.7	ND	17	20	ND	160	160	0.31 J	5.0
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0
1,1-Dichloroethene	ND	ND	0.27	ND	ND	ND	ND	ND	ND	ND	5.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Trichloroethene	ND	6.5	ND	ND	6.0	3.8	ND	28	31	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
cis-1,2-Dichloroethene	ND	10	4.8	ND	16	7.1	ND	55	61	ND	5.0
Acetone	6.6	5.3	6.8	2.4 J	7.4	5.9	2.1 J	6.1 J	8.2	6.3	50
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
	7.35	34.80	15.57	2.40	46.40	36.80	2.10	249.10	260.20	6.61	

Notes:

ND- Not Detected

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

**Melody Cleaners Site NYSDEC VCP Progam No. V-00347-1  
2050 Hempstead Turnpike, East Meadow, New York**

**Table 4A  
Compliance Groundwater Sampling Results  
Chlorinated Volatile Organic Compounds**

Sample Source	IW-3D	MLW-1 IS		SW-1	MLW-8D	MLW-9I	NYSDEC
Sample Identification	IW-3D	MLW-1IS	DUP-1	SW-1	MLW-8D	MLW-9I	Part 703
Laboratory Identification	L2033379-02	L2033379-03	L2033379-04	L2033379-05	L2033379-06	L2033379-07	Class GA
Dilution Factor	2.5:1	5:1	5:1	1 : 1	1 : 1	1 : 1	Groundwater
Sampling Date	8/14/2020	8/14/2020	8/14/2020	8/14/2020	8/14/2020	8/14/2020	Standards (µg/l)
Tetrachloroethene	320	450	490	1.8	8.8	63	5.0
Vinyl chloride	ND	ND	ND	ND	ND	ND	2.0
Trichloroethene	ND	ND	ND	ND	3.1	7.7	5.0
cis-1,2-Dichloroethene	ND	ND	ND	ND	9.6	4.6	5.0
Total CVOCs	320	450	490	1.8	21.5	75.3	

**Melody Cleaners Site NYSDEC VCP Program No. V-00347-1  
2050 Hempstead Turnpike, East Meadow, New York**

**Table 4B  
Compliance Groundwater Sampling Results  
Ethene**

Sample Source	IW-3D	MLW-1 IS		SW-1	MLW-8D	MLW-9I	NYSDEC Part 703 Class GA Groundwater Standard
Sample Identification	IW-3D	MLW-1IS	DUP-1	SW-1	MLW-8D	MLW-9I	
Laboratory Identification	L2033379-02	L2033379-03	L2033379-04	L2033379-05	L2033379-06	L2033379-07	
Dilution Factor	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	
Sampling Date	8/14/2020	8/14/2020	8/14/2020	8/14/2020	8/14/2020	8/14/2020	
Ethene (µg/l)	ND	ND	ND	1.89	ND	ND	-

**Melody Cleaners Site NYSDEC VCP Program No. V-00347-1**  
**2050 Hempstead Turnpike, East Meadow, New York**

**Table 4C**  
**Compliance Groundwater Sampling Results**  
**1,4-Dioxane**

Sample Source	IW-3D	MLW-1 IS		SW-1	MLW-8D	MLW-9I	NYS Adopted Drinking Water MCL
Sample Identification	IW-3D	MLW-1IS	DUP-1	SW-1	MLW-8D	MLW-9I	
Laboratory Identification	L2033379-02	L2033379-03	L2033379-04	L2033379-05	L2033379-06	L2033379-07	
Dilution Factor	1:1	1:1	1:1	1 : 1	1 : 1	1 : 1	
Sampling Date	8/14/2020	8/14/2020	8/14/2020	8/14/2020	8/14/2020	8/14/2020	
<b>1,4 Dioxane by 8270D-SIM</b>							
1,4 Dioxane ( µg/l)	ND	0.0835 J	ND	ND	0.138 J	0.322	1.0 µg/l
Notes: ND - Not Detected J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.							

**Melody Cleaners Site NYSDEC VCP Program No. V-00347-1  
2050 Hempstead Turnpike, East Meadow, New York**

**Table 4D  
Compliance Groundwater Sampling Results  
PFOA/PFOS**

Sample Source	IW-3D	MLW-1 IS		SW-1	MLW-8D	MLW-9I	NYS Adopted Drinking Water MCL
Sample Identification	IW-3D	MLW-1IS	DUP-1	SW-1	MLW-8D	MLW-9I	
Laboratory Identification	L2033379-02	L2033379-03	L2033379-04	L2033379-05	L2033379-06	L2033379-07	
Dilution Factor	1:1	1:1	1:1	1 : 1	1 : 1	1 : 1	
Sampling Date	8/14/2020	8/14/2020	8/14/2020	8/14/2020	8/14/2020	8/14/2020	
Perfluorinated Alkyl Acids by Isotope Dilution							
Perfluorobutanoic Acid (PFBA)	1.35 J	7.46	7.5	ND	0.658 J	2.95	
Perfluoropentanoic Acid (PFPeA)	1.27 J	15.2	15.2	7.07	1.46 J	5.11	
Perfluorobutanesulfonic Acid (PFBS)	0.866 J	6.0	5.82	2.79	1.36 J	2.06	
Perfluorohexanoic Acid (PFHxA)	1.52 J	13.9	14.4	7.94	0.798 J	4.22	
Perfluoroheptanoic Acid (PFHpA)	1.12 J	7.07	7.02	2.69	0.534 J	2.89	
Perfluorohexanesulfonic Acid (PFHxS)	ND	3.48	3.38	ND	2.4	2.71	
Perfluorooctanoic Acid (PFOA)	1.5 J	21.8	21.8	3.36	ND	8.25	10 ng/l
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ND	1.8 F	ND	ND	
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ND	ND	ND	ND	
Perfluorononanoic Acid (PFNA)	0.602 J	3.09	2.92	1.24 J	2.52	0.916 J	
Perfluorooctanesulfonic Acid (PFOS)	1.70 J	24.9	24.5	3.27	ND	10.5	10 ng/l
Perfluorodecanoic Acid (PFDA)	0.557 J	0.916 J	0.815 J	1.18 J	ND	0.451 J	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ND	ND	ND	ND	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ND	ND	ND	ND	
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ND	0.272 JF	ND	ND	
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ND	ND	ND	ND	
Perfluorooctanesulfonamide (FOSA)	ND	ND	ND	ND	ND	ND	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ND	ND	ND	ND	
Perfluorododecanoic Acid (PFDoA)	ND	ND	ND	ND	ND	ND	
Perfluorotridecanoic Acid (PFTriDA)	ND	ND	ND	0.451 J	ND	ND	
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ND	0.555 J	ND	ND	
PFOA/PFOS, Total	3.20 J	46.7	46.3	6.63	4.92	18.8	10 ng/l

Notes:

ND - Not Detected

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

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

**Melody Cleaners Site - NYSDEC VCP Site No. V00347-1**

**Table 5: January 2018 - July 2020 Remedial System Operation, Monitoring and Maintenance Data**

*2050 Hempstead Turnpike, East Meadow, New York*

		Soil Vapor Extraction System Measurements					Vapor Concentrations			SVE-1		SVE-2		SVE-3		SVE-4	
Date	Time	Vacuum at Blower Inlet (in. H <sub>2</sub> O)	Vacuum at Blower Outlet (in. H <sub>2</sub> O)	Blower Discharge Pressure (psi)	Blower Discharge Temp (°F)	Flow: Blower Effluent (CFM)	Carbon #1 (Lead) Influent (ppmV)	Carbon #2 (Lag) Influent (ppmV)	Stack Effluent (ppmV)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)
1/5/2018	17:50	30	26	17	94	1350	0.3	0.1	0.2	15	338	12	385	11	349	14	279
1/12/2018	17:35	28	23	18	104	1365	0.2	0	0	14	393	14	346	11	351	14	274
1/18/2018	8:00	31	29	17	103	1365	0.2	0	0	14	393	14	346	11	351	14	274
1/25/2018	18:05	28	27	17	101	1365	0.2	0	0	14	393	14	346	11	351	14	274
1/31/2018	14:20	29	26	16	106	1255	0.2	0.1	0	14	407	14	332	11	308	14	208
2/2/2018	17:45	29	29	16	105	1289	0.2	0.2	0.2	14	393	14	306	11	364	14	226
2/9/2018	18:15	24	29	15	114	1284	0.1	0	0.4	12	437	10	299	9	274	13	274
2/16/2018	18:00	25	26	18	104	1124	0.2	0	0	14	408	14	197	11	268	14	251
2/23/2018	18:20	25	26	17	113	1134	0.1	0.1	0.2	14	306	14	209	11	355	14	264
2/27/2018	10:00	23	24	25	121	1250	0.1	0.2	0.1	14	426	14	256	11	341	14	227
3/1/2018	13:50	26	28	21	114	1029	0	0	0	14	224	14	237	11	370	14	198
3/8/2018	17:15	23	23	24	116	1013	0.2	0	0	14	189	14	306	11	309	14	209
3/15/2018	17:55	26	27	22	117	1258	0	0	0.2	14	308	14	348	11	316	14	286
3/21/2018		SVE SYSTEM MAINTENANCE/REPAIRS															
3/26/2018	12:00	30	28	15	93	1017	0	0	0	22	241	22	312	22	284	22	180
4/6/2018	17:50	28	28	17	92	1066	0	0	0	23	220	25	308	23	344	22	194
4/13/2018	16:40	29	29	17	103	1041	0.2	0	0.1	21	208	22	249	20	342	19	242
4/20/2018	17:10	30	29	16	108	1072	0.3	0.1	0.1	20	237	22	267	20	355	18	213
4/27/2018	17:15	29	28	16	102	1164	0	0	0	20	347	20	299	16	310	20	208
5/4/2018	16:25	30	29	16	107	1098	0	0	0	20	326	20	307	18	249	20	216
5/11/2018	16:10	30	29	15	106	1173	0	0	0	22	375	20	322	18	288	20	188
5/18/2018	16:35	28	28	17	106	1100	0.1	0.1	0	23	341	20	288	17	274	19	197
5/24/2018	12:50	30	29	15	105	985	0	0	0	22	243	20	274	18	261	20	207
6/1/2018	17:00	31	29	14	109	1006	0.2	0	0.1	21	256	21	312	17	237	21	201
6/8/2018	17:20	25	17	18	118	1140	0.2	0	0.2	14	267	14	346	11	311	14	216
6/15/2018	17:35	32	30	14	122	1029	0	0	0	20	208	20	330	18	267	20	224
6/22/2018	17:00	30	28	15	126	1038	0.1	0	0	21	243	19	306	18	284	21	205
6/28/2018	12:45	32	30	15	128	1128	0	0	0.1	21	307	20	314	19	294	20	213
7/6/2018	15:05	31	30	14	131	1076	0.2	0.2	0.1	20	316	24	277	22	274	19	209
7/13/2018	16:15	31	28	13	130	974	0.2	0.1	0.1	24	208	23	288	17	270	20	208
7/20/2018	17:00	32	28	14	132	1052	0.2	0.1	0.1	22	264	20	306	18	288	20	194
7/27/2018	16:20	30	29	14	128	1137	0.1	0	0.1	22	352	23	307	15	294	21	184
8/2/2018	8:25	31	30	8	134	1156	0.3	0.1	0.2	20	319	22	324	18	314	20	199
8/9/2018	15:40	29	28	6.5	132	1209	0	0	0.1	19	306	24	355	21	344	18	204
8/16/2018	16:25	32	30	9	130	1241	0	0	0	22	334	20	361	18	325	21	221
8/23/2018	15:55	32	27	10	124	1177	0	0	0	19	274	20	360	18	337	19.5	206
8/30/2018	15:10	28	26	8	127	1156	0.1	0.1	0	21	251	18	358	20	294	18	253
9/7/2018	16:35	31	27	9	129	1173	0	0.1	0.1	19	268	20	344	15	321	17.5	240
9/14/2018	14:40	32	30	9	130	1131	0	0	0	22	258	22	288	18	344	20	241
9/21/2018	12:35	29	28	7.5	131	1152	0	0	0	23	264	21	344	19	357	21	187
9/27/2018	6:00	32	30	9	124	1097	0.2	0	0	20	226	22	326	17	361	20	184
10/5/2018	16:20	32	30	9	123	1237	0	0	0	20	301	14	384	14	341	20	211
10/12/2018	16:05	31	29	8.5	120	1318	0.1	0.1	0.1	18	344	19	408	16	328	21	238
10/19/2018	15:00	32	30	4	122	1308	0.4	0.2	0.1	22	267	23	416	14	394	20	231
10/26/2019	11:20	31	30	5	116	1268	0.3	0.1	0	24	259	22	422	14	344	22	243
11/2/2019	15:40	32	30	7	122	1185	0.2	0.1	0.1	23	289	22	394	18	287	22	215
11/9/2018	15:25	30	30	9	118	1198	0.3	0.2	0.1	23	344	21	374	18	284	22	196
11/16/2018	16:10	29	28	6	121	1231	0.5	0.2	0.1	25	351	26	422	19	274	24	184
11/21/2018	16:05	31	27	7.5	123	1189	0.1	0.2	0.1	25	329	25	410	19	256	23	194
11/26/2018	14:45	32	29	9.5	127	1208	0.3	0.1	0.1	22	376	25	405	20	244	26	183
12/7/2018	14:50	33	31	9	118	1188	0.1	0	0	26	345	24	374	20	261	17	208
12/14/2018	15:10	32	32	10.5	110	1239	0.2	0.1	0	26	371	20	408	23	237	18	223
12/21/2018	14:15	33	32	11	104	1067	0.2	0.1	0.1	19	208	22	388	18	253	18	218



**Melody Cleaners Site - NYSDEC VCP Site No. V00347-1**

**Table 5: January 2018 - July 2020 Remedial System Operation, Monitoring and Maintenance Data**  
 2050 Hempstead Turnpike, East Meadow, New York

		Soil Vapor Extraction System Measurements					Vapor Concentrations			SVE-1		SVE-2		SVE-3		SVE-4	
Date	Time	Vacuum at Blower Inlet (in. H <sub>2</sub> O)	Vacuum at Blower Outlet (in. H <sub>2</sub> O)	Blower Discharge Pressure (psi)	Blower Discharge Temp (°F)	Flow: Blower Effluent (CFM)	Carbon #1 (Lead) Influent (ppmV)	Carbon #2 (Lag) Influent (ppmV)	Stack Effluent (ppmV)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)
12/29/2018	17:00	33	32	10	104	1330	0.2	0.1	0.1	18	267	16	467	12	355	20	241
1/4/2019	14:00	33	32	12	104	1219	0.2	0.1	0.1	18	255	17	458	15	301	18	205
1/11/2019	13:55	33	32	10.5	104	1268	0.2	0.1	0.1	13	261	16	459	16	288	19	260
1/18/2019	14:35	33	32	9.5	104	1308	0.2	0.1	0.1	15	314	16	466	16	275	16	253
1/28/2019	16:50	33	32	10	104	1210	0.2	0.1	0.1	13	259	14	437	16	266	15	248
2/1/2019	13:50	33	32	12	104	1174	0.2	0.1	0.1	17	244	15	451	14	244	16	235
2/8/2019	14:20	33	32	11	104	1269	0.2	0.1	0.1	18	278	15	423	13	307	17	261
2/15/2019	14:45	33	32	11.5	104	1343	0.2	0.1	0.1	18	289	16	471	15	328	17	255
2/22/2019	5:40	33	32	8.5	104	1327	0.2	0.1	0.1	16	294	18	466	12	321	19	246
3/1/2019	14:35	33	32	10	104	1326	0.2	0.1	0.1	14	301	13	425	11	341	18	259
3/8/2019	16:05	33	32	11	104	1353	0.2	0.1	0.1	15	284	15	435	14	374	15	260
3/15/2019	16:15	33	32	10.5	104	1296	0.2	0.1	0.1	15	277	14	441	13	311	14	267
3/19/2019		SVE SYSTEM MAINTENANCE/REPAIRS															
3/29/2019	16:15	41	44	8.5	104	981	0.4	0.1	0.1	20	188	22	308	18	244	18	241
4/5/2019	16:40	41	44	9.5	104	1159	0.2	0	0	19	241	16	406	12	261	13	251
4/12/2019	16:15	41	44	11	104	1196	0.1	0	0	18	253	15	394	12	294	13	255
4/22/2019	17:05	41	44	11	104	1199	0.1	0.1	0.1	19	244	14	397	16	297	13	261
4/26/2019	15:55	41	44	12	104	1187	0.3	0	0	19	260	12	380	15	304	14	243
5/3/2019	17:00	41	44	12.5	104	1168	0.4	0.1	0	15	271	10	375	16	288	12	234
5/10/2019	16:25	41	44	11	104	1223	0.2	0.1	0.1	16	264	13	388	16	287	12	284
5/17/2019	16:35	41	44	9.5	104	1206	0.1	0.2	0	17	258	13	379	14	281	10	288
5/24/2019	16:50	41	44	10.5	104	1196	0.2	0.1	0.1	14	255	11	391	15	276	13	274
5/31/2019	18:00	41	44	12	104	1188	0.1	0.1	0	15	245	11	412	11	267	14	264
6/7/2019	17:15	41	44	13.5	104	1216	0.2	0.1	0.1	15	261	11	406	13	294	14	255
6/14/2019	17:20	41	44	14	104	1217	0.2	0.1	0	13	234	12	408	13	311	15	264
6/21/2019	17:00	41	44	14	104	1161	0.1	0.1	0.1	15	224	12	375	13	324	14	238
6/28/2019	17:35	41	44	8.5	104	1157	0.1	0.1	0	15	277	10	361	14	305	14	214
7/8/2019	16:00	41	44	7.5	104	1239	0.1	0.2	0.1	14	280	11	387	15	308	12	264
7/12/2019	13:25	41	44	9.5	104	1226	0.3	0.1	0.1	16	265	13	394	16	322	10	245
7/19/2019	17:40	41	44	9	104	1330	0.2	0.1	0.1	16	301	14	429	14	334	11	266
7/26/2019	17:30	41	44	10	104	1322	0.2	0.1	0.1	14	289	11	441	13	321	11	271
8/2/2019	13:50	39	40	8.5	106	1392	0.2	0	0	16	346	15	422	18	343	14	281
8/9/2019	14:50	37	40	10.5	110	1321	0.1	0	0	18	301	18	407	17	340	16	273
8/16/2019	11:20	36	36	9	105	1312	0.4	0.1	0.1	18	316	17	392	18	351	18	253
8/23/2019	9:25	37	36	7.5	103	1270	0.5	0.2	0	19	304	20	381	19	326	19	259
		SVE SYSTEM REPAIR															
9/25/2019	16:00	35	32	7.5	106	1220	1.1	0.5	0.1	18	302	19	364	19	306	17	248
10/4/2019	11:45	36	33	8.5	107	1294	0.4	0.1	0	17	311	18	391	18	318	18	274
10/10/2019	15:50	36	35	9	105	1257	0.3	0	0	17	313	19	381	20	302	18	261
10/17/2019	8:30	34	33	8.5	106	1252	0.5	0.1	0	18	297	20	376	20	296	17	283
10/25/2019	16:20	36	34	9	106	1219	0.3	0	0	18	286	20	359	19	306	18	268
11/6/2019	12:05	34	32	10	107	1202	0.1	0	0	20	253	19	372	19	304	18	273
11/14/2019	11:20	33	30	9	109	1236	0.2	0	0	20	257	18	378	18	334	17	267
11/20/2019	11:50	35	34	9.5	108	1244	0.2	0	0	19	264	20	369	19	321	16	290
11/26/2019	14:10	34	34	8.5	109	1242	0.1	0	0	18	277	19	391	19	316	17	258
12/5/2019	11:35	31	30	9	110	1231	0.3	0.2	0	18	271	19	367	18	326	18	267
12/13/2019	11:00	36	33	8	107	1233	0.4	0.2	0	17	280	18	349	19	310	16	294
12/19/2019	11:30	37	33	8.5	109	1235	0.3	0.1	0	17	274	19	357	17	328	18	276
12/23/2019	14:30	36	34	9	111	1212	0.2	0	0	18	269	18	367	17	314	18	262
1/3/2020	17:00	37	36	9.5	112	1260	0.2	0	0	18	286	19	378	18	326	17	270
1/9/2020	10:50	37	35	8.5	110	1236	0.1	0.1	0	18	276	18	359	20	334	18	267
1/17/2020	14:45	34	31	8	113	1257	0.3	0	0	19	303	20	357	19	321	17	276
1/22/2020	11:00	35	32	8	115	1274	0.2	0	0	20	281	18	373	18	326	18	294

**Melody Cleaners Site - NYSDEC VCP Site No. V00347-1**

**Table 5: January 2018 - July 2020 Remedial System Operation, Monitoring and Maintenance Data**  
 2050 Hempstead Turnpike, East Meadow, New York

		Soil Vapor Extraction System Measurements					Vapor Concentrations			SVE-1		SVE-2		SVE-3		SVE-4	
Date	Time	Vacuum at Blower Inlet (in. H <sub>2</sub> O)	Vacuum at Blower Outlet (in. H <sub>2</sub> O)	Blower Discharge Pressure (psi)	Blower Discharge Temp (°F)	Flow: Blower Effluent (CFM)	Carbon #1 (Lead) Influent (ppmV)	Carbon #2 (Lag) Influent (ppmV)	Stack Effluent (ppmV)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)	Vacuum at Manifold (in. H <sub>2</sub> O)	Flow (CFM)
1/31/2020	16:15	34	32	8.5	104	1317	0.1	0.1	0	19	293	18	386	18	337	16	301
2/3/2020	14:00	36	33	8	115	1252	0.2	0.1	0	20	266	18	384	18	334	18	268
2/14/2020	11:10	32	30	9	110	1243	0.2	0.1	0	18	274	20	394	20	315	20	260
2/20/2020	16:30	33	30	8.5	107	1257	0.3	0.1	0	19	255	19	407	18	324	18	271
2/28/2020	12:30	35	31	8.5	102	1294	0.1	0.1	0	20	261	15	442	18	334	20	257
3/6/2020	9:15	33	30	8	108	1235	0.5	0.2	0	22	247	19	386	20	324	16	278
3/12/2020		SVE SYSTEM MAINTENANCE/REPAIRS															
3/13/2020	10:50	31	29	9	100	1199	0.6	0.2	0.1	21	237	24	344	19	334	16	284
3/23/2020	12:00	33	31	8	110	1278	0.4	0.2	0	20	260	18	387	18	340	17	291
3/25/2020	11:00	33	30	7.5	115	1265	0.2	0.1	0	18	274	20	369	16	348	18	274
3/27/2020	13:45	34	30	8.5	106	1252	0.3	0.1	0.1	16	245	19	406	18	326	18	275
4/3/2020	12:30	31	28	8	110	1285	1.2	0.4	0.1	18	277	17	423	18	320	18	265
4/8/2020	12:15	30	28	8	108	1312	0.2	0.1	0.1	19	291	16	451	20	294	20	276
4/17/2020	11:30	35	34	7.5	110	1339	0.5	0.1	0	18	312	20	409	18	324	16	294
4/24/2020	14:30	34	31	7.5	114	1331	0.4	0.1	0	20	318	18	426	20	286	18	301
4/30/2020	12:20	34	32	8.5	100	1337	0.4	0.1	0	21	328	18	431	19	299	18	279
5/8/2020	11:00	34	31	8	115	1342	0.1	0.1	0	21	344	18	409	17	308	18	281
5/15/2020	15:30	33	32	8.5	103	1357	0.1	0	0	18	334	18	421	16	316	18	286
		SVE SYSTEM REPAIR															
6/5/2020	12:45	32	31	8	103	1441	1.9	0.4	0.1	17	378	16	453	17	292	15	318
6/19/2020	13:45	34	33	7.5	104	1452	1.2	0.1	0	16	367	17	437	15	320	14	328
6/26/2020	12:00	28	26	6.5	138	1561	1.1	0.5	0.2	11	417	13	471	13	334	12	339
6/30/2020	13:30	29	26	6	134	1505	3.1	0.8	0.2	15	369	13	478	13	324	14	334
7/2/2020	12:15	27	25	6	137	1506	0.7	0.5	0.1	16	374	15	441	15	367	14	324
7/9/2020	10:45	31	27	6	139	1463	1.1	0.4	0	13	370	15	433	15	351	13	309
7/13/2020	11:00	34	30	5.5	141	1508	1.3	0.4	0.1	12	408	16	437	14	337	12	326
7/23/2020	15:35	30	28	6.5	137	1466	0.9	0.3	0.1	14	380	16	449	15	326	14	311
7/31/2020	10:40	31	28	6	139	1483	1	0.3	0	13	397	16	431	13	341	12	314

**Melody Cleaners Site - NYSDEC VCP Site No. V00347-1****Table 6: Remedial System Effluent Analytical Results****Volatile Organic Compounds - USEPA Method TO-14A**2050 Hempstead Turnpike, *East Meadow, New York***SVE System Effluent - Prior to Treatment (Blower Effluent)**

Sample Collection Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
1/31/2018	116	25.6	6.3	ND
2/27/2018	0.34	ND	ND	ND
4/20/2018	107	26.5	8.24	ND
5/24/2018	180	53.4	19.9	ND
6/28/2018	260	72.5	24.4	ND
8/21/2018	256	64.4	28	ND
9/27/2018	188	40.8	13.3	ND
10/19/2018	130	27.7	8.56	ND
11/21/2018	138	22.6	6.34	ND
12/29/2018	67.8	14.1	3.9	ND
1/28/2019	55.4	13.1	4.4	ND
2/22/2019	62.1	17.1	4.83	ND
3/29/2019	53.8	13.4	4.4	ND
4/26/2019	67.5	22.1	7.49	ND
5/31/2019	98.3	32.9	10.7	ND
6/28/2019	175	41.4	13.7	ND
7/26/2019	39.4	3.06	1.08	ND
11/14/2020	117	26.6	7.37	ND
1/31/2020	64.1	14.2	5.90	ND
2/28/2020	62	13.9	4.72	ND
3/23/2020	68.5	15.7	6.34	ND
4/30/2020	71.8	18.7	7.57	ND
6/30/2020	260	50.6	21.4	ND
7/31/2020	ND	ND	ND	ND

Highlight - Indicates that the concentration is above the NYSDOH Ambient Air Standard

Laboratory analytical data for SVE influent and SVE effluent has not indicated breakthrough or approaching breakthrough that would require change of the treatment carbon.

**Melody Cleaners Site - NYSDEC VCP Site No. V00347-1**

**Table 6: Remedial System Effluent Analytical Results**

**Volatile Organic Compounds - USEPA Method TO-14A**

2050 Hempstead Turnpike, East Meadow, New York

**SVE System Effluent - Post-Treatment (Stack Effluent)**

Sample Collection Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
1/31/2018	0.75	ND	ND	ND
2/27/2018	0.34	ND	ND	ND
4/20/2018	0.34	ND	ND	ND
5/24/2018	0.76	ND	ND	ND
6/28/2018	0.85	0.83	ND	ND
8/21/2018	0.39	ND	ND	ND
9/27/2018	0.69	ND	0.30	ND
10/19/2018	18.2	1.74	0.27	ND
11/21/2018	0.35	ND	0.72	ND
12/29/2018	0.40	ND	0.62	ND
1/28/2019	ND	ND	0.49	ND
2/22/2019	0.26	ND	0.26	ND
3/29/2019	0.43	ND	0.38	ND
4/26/2019	ND	ND	ND	ND
5/31/2019	0.45	ND	1.01	ND
6/28/2019	48.1	2.05	ND	ND
7/26/2019	0.64	0.66	ND	ND
11/14/2020	0.39	1.83	2.70	ND
1/31/2020	ND	ND	2.72	ND
2/28/2020	ND	ND	1.88	ND
3/23/2020	ND	ND	2.62	ND
4/30/2020	0.35	ND	5.27	ND
6/30/2020	1.11	ND	18.8	ND
7/31/2020	1.13	ND	22.9	ND

Highlight - Indicates that the concentration is above the NYSDOH Ambient Air Guideline Value

Laboratory analytical data for SVE influent and SVE effluent has not indicated breakthrough or approaching breakthrough that would require change of the treatment carbon.

Table 6 Trend Charts

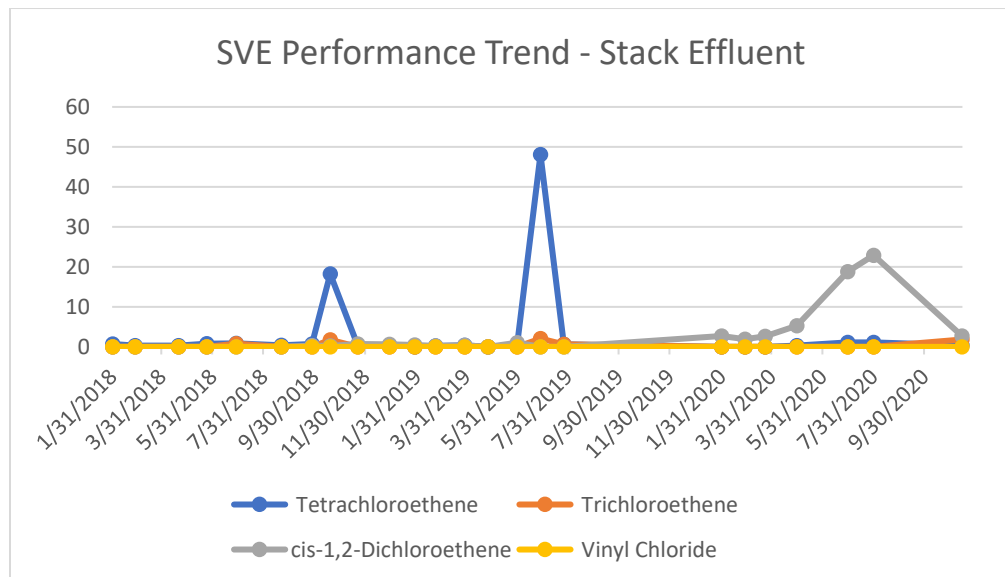
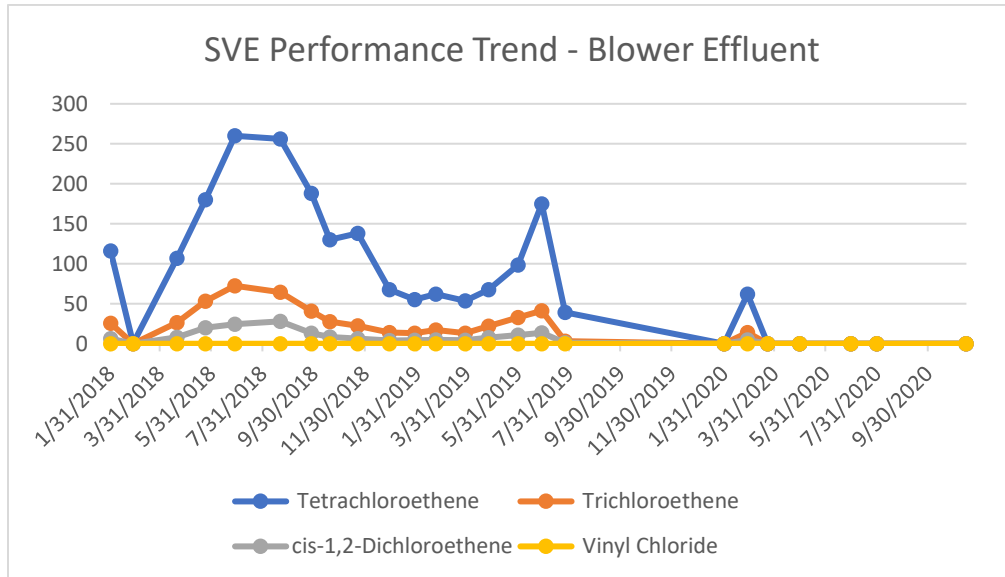


Table 7  
Groundwater Sampling Reduction Plan  
2050 Hempstead Turnpike, East Meadow, New York

Well ID#	Location	Groundwater Monitoring	Trend/Rational	Recommended Sampling
MLW-01 (70'-80')	On-Site Upgradient of Source Area	Status: PCE concentrations ranged from not detected to an estimated concentration of 0.21 µg/l in March 2019 over last eight recurrent groundwater sampling events. Since 2010 the concentrations of PCE has ranged from not detected to a maximum concentration of 4.2 µg/l in July 2011. No concentrations above the Part 703 Class GA Ambient Water Quality Standards (AWQS) have been detected in this well.	Since the PCE concentrations have been very low to not detected in this upgradient sentinel well, annual sampling is recommended.	Annual
MLW-0D (105'-115')	On-Site Upgradient of Source Area	Status: PCE was not detected over the last eight groundwater sampling events. Since 2010, the concentrations of PCE has ranged from not detected to a maximum concentration of 39 µg/l in November 2010. The Pce concentrations detected were below the Part 703 Class GA AWQS.	Since the PCE concentrations have been not detected in this upgradient sentinel well for more than 2 years, removal of this well from the monitoring program is recommended.	Remove
IW-1S (25'-45')	On-Site Source Area	Status: PCE Ranged from not detected to an estimated concentration of 0.28 µg/l in October 2018 over the last eight recurrent groundwater sampling events. Since 2014 the concentrations of PCE has ranged from not detected to a maximum concentration of 0.65 µg/l. No concentrations above the Part 703 Class GA AWQS.	Since the PCE concentrations are very low to not detected since 2014, removal of this shallow source area well from the monitoring program is recommended.	Remove
IW-1D (60'-80')	On-Site Source Area	Status: PCE ranged from concentrations of 8 µg/l to 280 µg/l over the last eight groundwater sampling events. There are fluctuating persistent concentrations of PCE above the NYSDEC Part 703 Class GA AWQS in the samples collected.	Due to the fluctuating PCE concentrations above the AWQS, continued biannual sampling of this monitoring well is recommended.	biannual
IW-2D (60'-80')	On-Site Source Area	Status: PCE concentrations ranged from not detected to 1.4 µg/l over the last eight recurrent groundwater sampling events. Since 2010 the concentrations of PCE has ranged from not detected to a maximum concentration of 22 µg/l in January 2014. No concentrations above the Part 703 Class GA AWQS have been detected in this well since March 2014.	Since the PCE concentrations have been very low to not detected in this source area well, annual sampling is recommended.	Annual
IW-3S (25'-45')	On-Site Down Gradient Source Area	Status: PCE was not detected over the last twelve groundwater sampling events. Since 2013, the concentrations of PCE has ranged from not detected to a maximum concentration of 1.4 µg/l in April 2015.	Based on the very low to non detect PCE concentrations in this downgradient source area well for at least three years, removal of this well from the monitoring program is recommended.	Remove
IW-3D (60'-80')	On-Site Down Gradient Source Area	Status: PCE ranged from concentrations of 58 µg/l (July 2019) to 11,000 µg/l (April 2018) over the last eight groundwater sampling events. There are fluctuating persistent concentrations of PCE above the NYSDEC Part 703 Class GA AWQS in the samples collected.	Due to the considerable fluctuation and persistent in the PCE concentrations above the AWQS, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-1D (182'-192')	On-Site Down Gradient Source Area	Status: PCE ranged from not detected (January 2019) to a concentration of 26 µg/l (January 2018) over the last eight groundwater sampling events. There are fluctuating concentrations of PCE above the NYSDEC Part 703 Class GA AWQS in the samples collected.	Due to the persistent PCE concentrations above the AWQS, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-1ID (149'-159')	On-Site Down Gradient Source Area	Status: PCE ranged from not detected (January 2019) to a concentration of 14 µg/l (April 2018) over the last eight groundwater sampling events. There are fluctuating concentrations of PCE above and below the NYSDEC Part 703 Class GA AWQS in the samples collected.	Due to the persistent PCE concentrations above the AWQS, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-1IS (70'-80')	On-Site Down Gradient Source Area	Status: PCE ranged from concentrations of 5.6 µg/l (December 2019) to 4,300 µg/l (April 2018) over the last eight groundwater sampling events. There are fluctuating persistent concentrations of PCE above the NYSDEC Part 703 Class GA AWQS in the samples collected.	Due to the persistent PCE concentrations above the AWQS, continued biannual sampling of this monitoring well is recommended.	biannual
SVE-1 (27'-42')	On-Site Source Area	Status: PCE ranged from not detected (April 2018) to a concentration of 83 µg/l (March 2019) over the last eight groundwater sampling events. Historically, typical PCE concentrations are not detected or at low concentrations below the NYSDEC Part 703 Class GA AWQS. The detected concentration of 83 µg/l appears to be anomalous since it is the only time PCE has been detected above the AWQS.	Based on the very low to non detect PCE concentrations in this source area well since 2008, removal of this well from the monitoring program is recommended.	Remove
SVE-2 (27'-42')	On-Site Down Gradient Source Area	Status: PCE ranged from not detected (April 2018) to a concentration of 1.2 µg/l (January 2019) over the last eight groundwater sampling events. Historically, the last PCE concentration detected above the NYSDEC Part 703 Class GA AWQS was 7.5 µg/l in January 2014. The PCE concentrations in this well have demonstrated a decreasing concentration trend.	Based on the very low to non detect PCE concentrations in this downgradient source area well from 2008 to present, removal of this well from the monitoring program is recommended.	Remove
SW-1 (60'-80')	On-Site Down Gradient Source Area	Status: PCE ranged from not detected (April 2020) to a concentration of 32 µg/l (April 2018) over the last eight groundwater sampling events. There are fluctuating concentrations of PCE above and below the NYSDEC Part 703 Class GA AWQS in the samples collected.	Due to the persistent PCE concentrations above the AWQS, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-2I (102'-112')	Off-Site Center Line Plume	Status: PCE ranged from concentrations of 7.3 µg/l (July 2018) to 12 µg/l (April 2020) over the last eight groundwater sampling events. The persistent PCE concentrations above the NYSDEC Part 703 Class GA AWQS in the samples collected appear to be fairly consistent.	Due to the persistent PCE concentrations above the AWQS, continued biannual sampling of this monitoring well is recommended.	biannual

Table 7  
Groundwater Sampling Reduction Plan  
2050 Hempstead Turnpike, East Meadow, New York

Well ID#	Location	Groundwater Monitoring	Trend/Rational	Recommended Sampling
MLW-2D (191'-201')	Off-Site Center Line Plume	Status: PCE concentrations ranged from not detected (April/July 2018) to an estimated concentration of 0.31 µg/l (January 2019) over the last eight recurrent groundwater sampling events. No concentrations above the Part 703 Class GA AWQS have been detected in this well since October 2007.	Since the PCE concentrations have been very low to not detected in this deep, plume center line area well, annual sampling in recommended.	Annual
MLW-3I (118'-129')	Off-Site Center Line Plume	Status: PCE ranged from concentrations of 9.8 µg/l (July 2019) to 27 µg/l (January 2019) over the last eight groundwater sampling events. In the past, the PCE concentrations were an order of magnitude higher but have demonstrated a decreasing trend. The persistent PCE concentrations above the NYSDEC Part 703 Class GA AWQS in the samples collected appear to be fairly consistent.	Due to the persistent PCE concentrations above the AWQS, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-3D (210'-220')	Off-Site Center Line Plume	Status: PCE ranged from concentrations of 1.4 µg/l (April 2019) to 3.6 µg/l (December 2019) over the last eight groundwater sampling events. In the past, the PCE concentrations were higher but have demonstrated a decreasing trend. The persistent PCE concentrations below the NYSDEC Part 703 Class GA AWQS in the samples collected appear to be fairly consistent.	Since the PCE concentrations have been very low to not detected in this deep, plume center line area well, annual sampling in recommended.	Annual
MLW-6S (21'-36')	Off-Site Sentinel Well for Municipal Wells	Status: PCE was not detected over the last eight groundwater sampling events. Since October 2017, the concentrations of PCE has ranged from not detected to a maximum estimated concentration of 0.93 µg/l in October 2013.	Based on the very low to non detect PCE concentrations in this shallow sentinel well (situated between the contaminant plume and the municipal wells to the east) for at least thirteen years, removal of this well from the monitoring program is recommended.	Remove
MLW-6I (148'-158')	Off-Site Sentinel Well for Municipal Wells	Status: Over the last eight groundwater sampling events, the results for PCE were not detected with the exception of an estimated concentration of 0.26 µg/l in April 2018 which is below the NYSDEC Part 703 Class GA AWQS. In the past, the PCE concentrations ranged from not detected to 1.9 µg/l in March 2009.	Although the PCE concentrations in this well have ranged from not detected to very low, the screen interval of this well serves as a sentinel to monitor potential eastern migration. Therefore, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-6D (214'-224')	Off-Site Sentinel Well for Municipal Wells	Status: PCE concentrations ranged from not detected (April/July 2018) to an estimated concentration of 0.24 µg/l (January 2019) over the last eight recurrent groundwater sampling events. No concentrations above the Part 703 Class GA AWQS have been detected in this well since September 2007.	Since the PCE concentrations in this deep sentinel well have been very low to not detected, annual sampling in recommended.	Annual
MLW-7I (193'-203')	Off-Site Cross Gradient Fringe Well	Status: PCE ranged from concentrations of 9.1 µg/l (March 2019) to 21 µg/l (January 2019) over the last eight groundwater sampling events. Since 2008, the PCE concentrations have demonstrated a slight decreasing trend. The persistent PCE concentrations above the NYSDEC Part 703 Class GA AWQS in the samples collected appear to be fairly consistent.	Due to the persistent PCE concentrations above the AWQS, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-7D (230'-240')	Off-Site Cross Gradient Fringe Well	Status: PCE concentrations ranged from 2.3 µg/l (July 2019) to 4.1 µg/l (December 2019) over the last eight recurrent groundwater sampling events. No concentrations above the Part 703 Class GA AWQS have been detected in this well since July 2015 2007. A slight decreasing contaminant trend is noted.	Since the PCE concentrations in this deep plume fringe well have been below the AWQS since November 2015, annual sampling in recommended.	Annual
MLW-8S (20'-35')	Off-Site Center Line Plume	Status: PCE was not detected with the exception of a concentration of 7.1 µg/l (October 2018) over the last eight groundwater sampling events. Historically, typical PCE concentrations in this well have been not detected or detected at low concentrations below the NYSDEC Part 703 Class GA AWQS. The detected concentration of 7.1 µg/l appears to be anomalous since it is the only time PCE has been detected above the AWQS.	Based on the very low to non detect PCE concentrations in this shallow well since 2007 and the position of the contaminant plume below this well location, removal of this well from the monitoring program is recommended.	Remove
MLW-8I (123'-133')	Off-Site Center Line Plume	Status: PCE ranged from not detected (October 2018) to a concentration of 20 µg/l (April 2018/January 2019) to 21 µg/l (January 2019) over the last eight groundwater sampling events. Since 2008-2009, the PCE concentrations have demonstrated a slight decreasing trend. The persistent PCE concentrations above the NYSDEC Part 703 Class GA AWQS in the samples collected appear to be fairly consistent.	Due to the persistent PCE concentrations above the AWQS and the well screen interval in relation to the contaminant plume location, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-8D (215'-225')	Off-Site Center Line Plume	Status: PCE ranged from a concentration of 20 µg/l (April 2020) to 100 µg/l (April 2018) over the last eight groundwater sampling events. The persistent PCE concentrations above the NYSDEC Part 703 Class GA AWQS in the samples collected appear to be fairly consistent. Since 2007, the PCE concentrations have demonstrated a decreasing trend.	Due to the persistent PCE concentrations above the AWQS and the well screen interval in relation to the contaminant plume location, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-9S (20'-35')	Off-Site Center Line Plume	Status: PCE was not detected or was detected at an estimated low concentration of 0.21 µg/l and 0.28 µg/l (July/April 2018) with the exception of a concentration of 100 µg/l (July 2019) over the last eight groundwater sampling events. Historically, typical PCE concentrations in this well have been not detected or detected at low concentrations below the NYSDEC Part 703 Class GA AWQS. The detected concentration of 100 µg/l appears to be anomalous since it is the only time PCE has been detected above the AWQS in this well.	Based on the very low to non detect PCE concentrations in this shallow well since 2007 and the position of the contaminant plume below this well location, removal of this well from the monitoring program is recommended.	Remove

Table 7  
Groundwater Sampling Reduction Plan  
2050 Hempstead Turnpike, East Meadow, New York

Well ID#	Location	Groundwater Monitoring	Trend/Rational	Recommended Sampling
MLW-9I (212'-222')	Off-Site Center Line Plume	Status: PCE ranged from a concentration of 88 µg/l (July 2019) to 210 µg/l (April 2018) over the last eight groundwater sampling events. The persistent PCE concentrations above the NYSDEC Part 703 Class GA AWQS in the samples collected during this sampling interval appear to be fairly consistent. Since 2008, the PCE concentrations have demonstrated a slight decreasing trend with concentration fluctuations noted.	Due to the persistent PCE concentrations above the AWQS and the well screen interval in relation to the contaminant plume location, continued biannual sampling of this monitoring well is recommended.	biannual
MLW-9D (247'-257')	Off-Site Center Line Plume	Status: PCE was not detected (July 2019) or was detected at an estimated concentration of 1.6 µg/l (October 2018) over the last eight groundwater sampling events. Historically, typical PCE concentrations in this well have been not detected or detected at low concentrations below the NYSDEC Part 703 Class GA AWQS. A detected concentration of 50 µg/l (July 2011) appears to be anomalous since it is the only time PCE has been detected above the AWQS in this well.	Based on the very low to non detect PCE concentrations in this deep well, removal of this well from the monitoring program is recommended.	Remove

Notes:

- Wells Identified by this highlight color are proposed for continued biannual groundwater sampling
- Wells Identified by this highlight color are proposed for annual groundwater sampling
- Wells Identified by this highlight color are proposed for removal from the monitoring program



Site No.: V00347-1 – Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York

## Appendices

Site No.: V00347-1 – Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York

## Appendix A

Groundwater Monitoring Event Laboratory Analysis Reports



## ANALYTICAL REPORT

Lab Number:	L1961607
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Lief Robertson
Phone:	(631) 269-8800
Project Name:	09406-01-GWA
Project Number:	09406-01-GWS
Report Date:	01/02/20

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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).

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



**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1961607-01	FIELD BLANK	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 08:00	12/24/19
L1961607-02	MLW-0I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 08:15	12/24/19
L1961607-03	MLW-0D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 08:30	12/24/19
L1961607-04	SVE-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 08:33	12/24/19
L1961607-05	IW-1S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 08:37	12/24/19
L1961607-06	IW-1D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 08:38	12/24/19
L1961607-07	IW-2D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 08:45	12/24/19
L1961607-08	IW-3S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:00	12/24/19
L1961607-09	IW-3D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:05	12/24/19
L1961607-10	MLW-1IS	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:10	12/24/19
L1961607-11	DUP-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 00:00	12/24/19
L1961607-12	MLW-1ID	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:15	12/24/19
L1961607-13	MLW-1D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:17	12/24/19
L1961607-14	SVE-2	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:20	12/24/19
L1961607-15	SW-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:19	12/24/19
L1961607-16	MLW-2I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:30	12/24/19
L1961607-17	MLW-2D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:31	12/24/19
L1961607-18	MLW-3I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:37	12/24/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1961607-19	MLW-3D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 09:39	12/24/19
L1961607-20	MLW-6S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:00	12/24/19
L1961607-21	MLW-6I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:02	12/24/19
L1961607-22	MLW-6D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:03	12/24/19
L1961607-23	MLW-7I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:50	12/24/19
L1961607-24	MLW-7D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:51	12/24/19
L1961607-25	MLW-8S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:40	12/24/19
L1961607-26	MLW-8I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:41	12/24/19
L1961607-27	MLW-8D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:43	12/24/19
L1961607-28	MLW-9S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:15	12/24/19
L1961607-29	MLW-9I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:20	12/24/19
L1961607-30	DUP-2	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 00:00	12/24/19
L1961607-31	MLW-9D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 10:30	12/24/19
L1961607-32	TRIP BLANK	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	12/20/19 00:00	12/24/19

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

### 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.

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**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**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

L1961607-05: The analysis was performed utilizing a compromised vial.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 01/02/20

# ORGANICS



# **VOLATILES**

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-01  
 Client ID: FIELD BLANK  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 12/20/19 08:00  
 Date Received: 12/24/19  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 12/29/19 07:36  
 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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-01  
**Client ID:** FIELD BLANK  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 08:00  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	88		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-02

Date Collected: 12/20/19 08:15

Client ID: MLW-01

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 10:30

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.5	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-02  
**Client ID:** MLW-01  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 08:15  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-03

Date Collected: 12/20/19 08:30

Client ID: MLW-0D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 10:55

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	3.0	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-03  
**Client ID:** MLW-0D  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 08:30  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-04

Date Collected: 12/20/19 08:33

Client ID: SVE-1

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 11:19

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.7	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1



**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-04  
**Client ID:** SVE-1  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 08:33  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-05

Date Collected: 12/20/19 08:37

Client ID: IW-1S

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/31/19 08:53

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.8	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-05  
**Client ID:** IW-1S  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 08:37  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	90		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-06

Date Collected: 12/20/19 08:38

Client ID: IW-1D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 11:44

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
Tetrachloroethene	29		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.8	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-06  
**Client ID:** IW-1D  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 08:38  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-07

Date Collected: 12/20/19 08:45

Client ID: IW-2D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/26/19 22:41

Analyst: MKS

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
Tetrachloroethene	0.60		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.21	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.5	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

**SAMPLE RESULTS**

Lab ID: L1961607-07

Date Collected: 12/20/19 08:45

Client ID: IW-2D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-08

Date Collected: 12/20/19 09:00

Client ID: IW-3S

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 12:09

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	3.4	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1



**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-08  
**Client ID:** IW-3S  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 09:00  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-09

Date Collected: 12/20/19 09:05

Client ID: IW-3D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 12:33

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
Tetrachloroethene	71		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	3.0	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-09  
**Client ID:** IW-3D  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 09:05  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	92		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-10

Date Collected: 12/20/19 09:10

Client ID: MLW-1IS

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 12:57

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
Tetrachloroethene	5.6		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	4.3	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-10

Date Collected: 12/20/19 09:10

Client ID: MLW-1IS

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**SAMPLE RESULTS**

Lab ID: L1961607-11

Date Collected: 12/20/19 00:00

Client ID: DUP-1

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 16:44

Analyst: AD

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
Tetrachloroethene	4.5		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.36	J	ug/l	1.0	0.07	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	0.33	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Acetone	4.8	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-11

Date Collected: 12/20/19 00:00

Client ID: DUP-1

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-12

Date Collected: 12/20/19 09:15

Client ID: MLW-11D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 17:09

Analyst: AD

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	0.86	J	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
Tetrachloroethene	3.2		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	0.27	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.37	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Acetone	3.6	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1



**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-12  
**Client ID:** MLW-11D  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 09:15  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**SAMPLE RESULTS****Lab ID:** L1961607-13**Date Collected:** 12/20/19 09:17**Client ID:** MLW-1D**Date Received:** 12/24/19**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water**Analytical Method:** 1,8260C**Analytical Date:** 12/29/19 17:35**Analyst:** AD

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
Tetrachloroethene	0.76		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	3.3	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

**SAMPLE RESULTS**

Lab ID: L1961607-13

Date Collected: 12/20/19 09:17

Client ID: MLW-1D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-14

Date Collected: 12/20/19 09:20

Client ID: SVE-2

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 18:00

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	3.7	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

**SAMPLE RESULTS**

Lab ID: L1961607-14

Date Collected: 12/20/19 09:20

Client ID: SVE-2

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-15

Date Collected: 12/20/19 09:19

Client ID: SW-1

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/29/19 18:25

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	3.5	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

**SAMPLE RESULTS**

Lab ID: L1961607-15

Date Collected: 12/20/19 09:19

Client ID: SW-1

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

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

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-16

Date Collected: 12/20/19 09:30

Client ID: MLW-2I

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 16:25

Analyst: AD

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
Tetrachloroethene	13		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.2		ug/l	2.5	0.70	1
Acetone	3.7	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1



Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

**SAMPLE RESULTS**

Lab ID: L1961607-16

Date Collected: 12/20/19 09:30

Client ID: MLW-2I

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-17

Date Collected: 12/20/19 09:31

Client ID: MLW-2D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 16:50

Analyst: AD

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	3.2		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
Tetrachloroethene	0.21	J	ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	1.0		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Acetone	3.0	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-17  
**Client ID:** MLW-2D  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 09:31  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-18

Date Collected: 12/20/19 09:37

Client ID: MLW-3I

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 17:15

Analyst: AD

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
Tetrachloroethene	12		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	5.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	15		ug/l	2.5	0.70	1
Acetone	2.9	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-18  
**Client ID:** MLW-3I  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 09:37  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-19

Date Collected: 12/20/19 09:39

Client ID: MLW-3D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 16:04

Analyst: AD

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
Tetrachloroethene	3.6		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.94		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.5	J	ug/l	2.5	0.70	1
Acetone	3.0	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-19

Date Collected: 12/20/19 09:39

Client ID: MLW-3D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	88		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-20

Date Collected: 12/20/19 10:00

Client ID: MLW-6S

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 16:27

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.5	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1



**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-20  
**Client ID:** MLW-6S  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 10:00  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	88		70-130

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**SAMPLE RESULTS**

Lab ID: L1961607-21

Date Collected: 12/20/19 10:02

Client ID: MLW-6I

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 16:50

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.8	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-21  
**Client ID:** MLW-6I  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 10:02  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	88		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-22

Date Collected: 12/20/19 10:03

Client ID: MLW-6D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 10:49

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.72	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
Tetrachloroethene	0.24	J	ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.8	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-22  
**Client ID:** MLW-6D  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 10:03  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-23

Date Collected: 12/20/19 10:50

Client ID: MLW-7I

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 11:13

Analyst: AD

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
Tetrachloroethene	15		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.87	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	5.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	10		ug/l	2.5	0.70	1
Acetone	2.8	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-23  
**Client ID:** MLW-7I  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 10:50  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	91		70-130

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**SAMPLE RESULTS**

Lab ID: L1961607-24

Date Collected: 12/20/19 10:51

Client ID: MLW-7D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 13:08

Analyst: AD

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
Tetrachloroethene	4.1		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	0.26	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	4.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	4.7		ug/l	2.5	0.70	1
Acetone	3.2	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1



Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-24

Date Collected: 12/20/19 10:51

Client ID: MLW-7D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-25

Date Collected: 12/20/19 10:40

Client ID: MLW-8S

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 11:38

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	4.3	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-25

Date Collected: 12/20/19 10:40

Client ID: MLW-8S

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-26

Date Collected: 12/20/19 10:41

Client ID: MLW-8I

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 13:30

Analyst: AD

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
Tetrachloroethene	13		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	4.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
Acetone	3.3	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

**SAMPLE RESULTS**

Lab ID: L1961607-26

Date Collected: 12/20/19 10:41

Client ID: MLW-8I

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

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

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-27

Date Collected: 12/20/19 10:43

Client ID: MLW-8D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 12:03

Analyst: AD

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
Tetrachloroethene	35		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	5.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
Acetone	3.2	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-27  
**Client ID:** MLW-8D  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 10:43  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**SAMPLE RESULTS**

Lab ID: L1961607-28

Date Collected: 12/20/19 10:15

Client ID: MLW-9S

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 13:52

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	44		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1



**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-28  
**Client ID:** MLW-9S  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 10:15  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-29

Date Collected: 12/20/19 10:20

Client ID: MLW-9I

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 12:27

Analyst: AD

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
Tetrachloroethene	110		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	0.19	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	25		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	51		ug/l	2.5	0.70	1
Acetone	3.0	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-29  
**Client ID:** MLW-9I  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 10:20  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	90		70-130

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**SAMPLE RESULTS**

Lab ID: L1961607-30

Date Collected: 12/20/19 00:00

Client ID: DUP-2

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 12:52

Analyst: AD

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
Tetrachloroethene	110		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	24		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	50		ug/l	2.5	0.70	1
Acetone	2.8	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-30

Date Collected: 12/20/19 00:00

Client ID: DUP-2

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	90		70-130

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**SAMPLE RESULTS**

Lab ID: L1961607-31

Date Collected: 12/20/19 10:30

Client ID: MLW-9D

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 13:16

Analyst: AD

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
Tetrachloroethene	0.24	J	ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.6	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**SAMPLE RESULTS**

**Lab ID:** L1961607-31  
**Client ID:** MLW-9D  
**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

**Date Collected:** 12/20/19 10:30  
**Date Received:** 12/24/19  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	90		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-32

Date Collected: 12/20/19 00:00

Client ID: TRIP BLANK

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 12/30/19 10:24

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1



Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

## SAMPLE RESULTS

Lab ID: L1961607-32

Date Collected: 12/20/19 00:00

Client ID: TRIP BLANK

Date Received: 12/24/19

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	91		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/26/19 19:25  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1325194-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8260C  
**Analytical Date:** 12/26/19 19:25  
**Analyst:** MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1325194-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	92		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/30/19 08:46  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-18 Batch: WG1325740-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 12/30/19 08:46  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-18 Batch: WG1325740-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/29/19 07:12  
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06,08-10 Batch: WG1325807-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/29/19 07:12  
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06,08-10 Batch: WG1325807-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	89		70-130

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/29/19 09:57  
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-15 Batch: WG1325832-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70



**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 12/29/19 09:57  
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-15 Batch: WG1325832-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/30/19 10:00  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22-23,25,27,29-32 Batch: WG1325839-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 12/30/19 10:00  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22-23,25,27,29-32 Batch: WG1325839-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	92		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/30/19 08:36  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19-21 Batch: WG1325903-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 12/30/19 08:36  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19-21 Batch: WG1325903-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	89		70-130

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/30/19 10:35  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 24,26,28 Batch: WG1325909-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/30/19 10:35  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 24,26,28 Batch: WG1325909-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/31/19 08:06  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1326096-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70



Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 12/31/19 08:06  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1326096-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	88		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 09406-01-GWA

Project Number: 09406-01-GWS

Lab Number: L1961607

Report Date: 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1325194-3 WG1325194-4								
Methylene chloride	93		92		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	91		91		70-130	0		20
Carbon tetrachloride	87		87		63-132	0		20
Tetrachloroethene	92		90		70-130	2		20
Chlorobenzene	96		97		75-130	1		20
1,2-Dichloroethane	86		89		70-130	3		20
1,1,1-Trichloroethane	91		92		67-130	1		20
Benzene	95		96		70-130	1		20
Toluene	99		98		70-130	1		20
Ethylbenzene	98		100		70-130	2		20
Vinyl chloride	81		80		55-140	1		20
1,1-Dichloroethene	92		88		61-145	4		20
trans-1,2-Dichloroethene	94		94		70-130	0		20
Trichloroethene	91		90		70-130	1		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	97		100		70-130	3		20
Methyl tert butyl ether	98		98		63-130	0		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	94		93		70-130	1		20
Acetone	99		93		58-148	6		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 09406-01-GWA

Project Number: 09406-01-GWS

Lab Number: L1961607

Report Date: 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1325194-3 WG1325194-4								
2-Butanone	100		100		63-138	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	99		110		70-130	11		20
tert-Butylbenzene	100		100		70-130	0		20
n-Propylbenzene	100		110		69-130	10		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	94		90		56-162	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		92		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	92		93		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 09406-01-GWA

**Project Number:** 09406-01-GWS

**Lab Number:** L1961607

**Report Date:** 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-18 Batch: WG1325740-3 WG1325740-4								
Methylene chloride	88		87		70-130	1		20
1,1-Dichloroethane	93		92		70-130	1		20
Chloroform	89		87		70-130	2		20
Carbon tetrachloride	92		86		63-132	7		20
Tetrachloroethene	87		87		70-130	0		20
Chlorobenzene	89		89		75-130	0		20
1,2-Dichloroethane	93		92		70-130	1		20
1,1,1-Trichloroethane	88		86		67-130	2		20
Benzene	95		93		70-130	2		20
Toluene	90		88		70-130	2		20
Ethylbenzene	89		88		70-130	1		20
Vinyl chloride	99		96		55-140	3		20
1,1-Dichloroethene	88		85		61-145	3		20
trans-1,2-Dichloroethene	90		86		70-130	5		20
Trichloroethene	90		88		70-130	2		20
1,2-Dichlorobenzene	90		90		70-130	0		20
1,3-Dichlorobenzene	92		90		70-130	2		20
1,4-Dichlorobenzene	92		90		70-130	2		20
Methyl tert butyl ether	92		92		63-130	0		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	91		90		70-130	1		20
Acetone	110		110		58-148	0		20

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 09406-01-GWA

**Lab Number:** L1961607

**Project Number:** 09406-01-GWS

**Report Date:** 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-18 Batch: WG1325740-3 WG1325740-4								
2-Butanone	110		120		63-138	9		20
n-Butylbenzene	93		88		53-136	6		20
sec-Butylbenzene	92		88		70-130	4		20
tert-Butylbenzene	91		88		70-130	3		20
n-Propylbenzene	92		88		69-130	4		20
1,3,5-Trimethylbenzene	91		89		64-130	2		20
1,2,4-Trimethylbenzene	91		89		70-130	2		20
1,4-Dioxane	110		108		56-162	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		108		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	100		101		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 09406-01-GWA

**Lab Number:** L1961607

**Project Number:** 09406-01-GWS

**Report Date:** 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06,08-10 Batch: WG1325807-3 WG1325807-4								
Methylene chloride	91		86		70-130	6		20
1,1-Dichloroethane	92		80		70-130	14		20
Chloroform	90		88		70-130	2		20
Carbon tetrachloride	86		81		63-132	6		20
Tetrachloroethene	90		89		70-130	1		20
Chlorobenzene	96		94		75-130	2		20
1,2-Dichloroethane	82		83		70-130	1		20
1,1,1-Trichloroethane	88		81		67-130	8		20
Benzene	94		92		70-130	2		20
Toluene	97		95		70-130	2		20
Ethylbenzene	98		96		70-130	2		20
Vinyl chloride	65		61		55-140	6		20
1,1-Dichloroethene	92		88		61-145	4		20
trans-1,2-Dichloroethene	93		88		70-130	6		20
Trichloroethene	88		87		70-130	1		20
1,2-Dichlorobenzene	97		97		70-130	0		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	84		64		63-130	27	Q	20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	93		90		70-130	3		20
Acetone	110		110		58-148	0		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06,08-10 Batch: WG1325807-3 WG1325807-4								
2-Butanone	100		99		63-138	1		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	94		93		70-130	1		20
tert-Butylbenzene	97		97		70-130	0		20
n-Propylbenzene	99		99		69-130	0		20
1,3,5-Trimethylbenzene	99		98		64-130	1		20
1,2,4-Trimethylbenzene	99		98		70-130	1		20
1,4-Dioxane	110		112		56-162	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		90		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	92		88		70-130

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 09406-01-GWA

**Lab Number:** L1961607

**Project Number:** 09406-01-GWS

**Report Date:** 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-15 Batch: WG1325832-3 WG1325832-4								
Methylene chloride	85		87		70-130	2		20
1,1-Dichloroethane	89		90		70-130	1		20
Chloroform	85		88		70-130	3		20
Carbon tetrachloride	88		90		63-132	2		20
Tetrachloroethene	91		89		70-130	2		20
Chlorobenzene	89		89		75-130	0		20
1,2-Dichloroethane	89		89		70-130	0		20
1,1,1-Trichloroethane	89		92		67-130	3		20
Benzene	91		94		70-130	3		20
Toluene	89		89		70-130	0		20
Ethylbenzene	89		90		70-130	1		20
Vinyl chloride	93		96		55-140	3		20
1,1-Dichloroethene	88		90		61-145	2		20
trans-1,2-Dichloroethene	88		89		70-130	1		20
Trichloroethene	88		90		70-130	2		20
1,2-Dichlorobenzene	86		91		70-130	6		20
1,3-Dichlorobenzene	89		92		70-130	3		20
1,4-Dichlorobenzene	88		92		70-130	4		20
Methyl tert butyl ether	90		91		63-130	1		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	89		91		70-130	2		20
Acetone	86		86		58-148	0		20



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-15 Batch: WG1325832-3 WG1325832-4								
2-Butanone	95		100		63-138	5		20
n-Butylbenzene	90		93		53-136	3		20
sec-Butylbenzene	89		92		70-130	3		20
tert-Butylbenzene	91		92		70-130	1		20
n-Propylbenzene	90		92		69-130	2		20
1,3,5-Trimethylbenzene	90		92		64-130	2		20
1,2,4-Trimethylbenzene	89		92		70-130	3		20
1,4-Dioxane	78		120		56-162	42	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		99		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	98		100		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 09406-01-GWA

**Lab Number:** L1961607

**Project Number:** 09406-01-GWS

**Report Date:** 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22-23,25,27,29-32 Batch: WG1325839-3 WG1325839-4								
Methylene chloride	96		94		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	96		94		70-130	2		20
Carbon tetrachloride	92		89		63-132	3		20
Tetrachloroethene	95		93		70-130	2		20
Chlorobenzene	99		99		75-130	0		20
1,2-Dichloroethane	88		87		70-130	1		20
1,1,1-Trichloroethane	93		91		67-130	2		20
Benzene	99		97		70-130	2		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		99		70-130	1		20
Vinyl chloride	84		80		55-140	5		20
1,1-Dichloroethene	99		95		61-145	4		20
trans-1,2-Dichloroethene	100		96		70-130	4		20
Trichloroethene	94		93		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		99		70-130	1		20
Methyl tert butyl ether	96		94		63-130	2		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	98		96		70-130	2		20
Acetone	120		120		58-148	0		20

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22-23,25,27,29-32 Batch: WG1325839-3 WG1325839-4								
2-Butanone	120		120		63-138	0		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	120		98		70-130	20		20
tert-Butylbenzene	110		100		70-130	10		20
n-Propylbenzene	110		100		69-130	10		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	104		100		56-162	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		90		70-130
Toluene-d8	99		102		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	91		90		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 09406-01-GWA

**Project Number:** 09406-01-GWS

**Lab Number:** L1961607

**Report Date:** 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-21 Batch: WG1325903-3 WG1325903-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	85		83		63-132	2		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Vinyl chloride	100		100		55-140	0		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	90		88		63-130	2		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Acetone	130		120		58-148	8		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-21 Batch: WG1325903-3 WG1325903-4								
2-Butanone	120		110		63-138	9		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
n-Propylbenzene	120		110		69-130	9		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	196	Q	194	Q	56-162	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	95		95		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 09406-01-GWA

**Project Number:** 09406-01-GWS

**Lab Number:** L1961607

**Report Date:** 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,26,28 Batch: WG1325909-3 WG1325909-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		99		70-130	1		20
Carbon tetrachloride	98		96		63-132	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		98		75-130	2		20
1,2-Dichloroethane	93		94		70-130	1		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		99		70-130	1		20
Vinyl chloride	140		140		55-140	0		20
1,1-Dichloroethene	120		120		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		99		70-130	1		20
Methyl tert butyl ether	84		86		63-130	2		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
Acetone	95		100		58-148	5		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 09406-01-GWA

Lab Number: L1961607

Project Number: 09406-01-GWS

Report Date: 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,26,28 Batch: WG1325909-3 WG1325909-4								
2-Butanone	97		98		63-138	1		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	86		85		70-130	1		20
n-Propylbenzene	100		100		69-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	90		88		56-162	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	99		105		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 09406-01-GWA

**Project Number:** 09406-01-GWS

**Lab Number:** L1961607

**Report Date:** 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1326096-3 WG1326096-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	83		81		63-132	2		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Vinyl chloride	100		100		55-140	0		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	90		90		63-130	0		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Acetone	120		130		58-148	8		20



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** 09406-01-GWA

**Lab Number:** L1961607

**Project Number:** 09406-01-GWS

**Report Date:** 01/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1326096-3 WG1326096-4								
2-Butanone	110		120		63-138	9		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
n-Propylbenzene	110		110		69-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	186	Q	200	Q	56-162	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	94		94		70-130

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 09406-01-GWA

**Project Number:** 09406-01-GWS

**Lab Number:** L1961607

**Report Date:** 01/02/20

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 MLW-11D Associated sample(s): 11-15 QC Batch ID: WG1325832-6 WG1325832-7 QC Sample: L1961607-12 Client ID:												
Methylene chloride	ND	10	9.5	95		10	100		70-130	5		20
1,1-Dichloroethane	0.86J	10	11	110		12	120		70-130	9		20
Chloroform	ND	10	9.6	96		11	110		70-130	14		20
Carbon tetrachloride	ND	10	9.5	95		9.7	97		63-132	2		20
Tetrachloroethene	3.2	10	13	98		14	108		70-130	7		20
Chlorobenzene	ND	10	9.6	96		9.9	99		75-130	3		20
1,2-Dichloroethane	ND	10	9.9	99		11	110		70-130	11		20
1,1,1-Trichloroethane	ND	10	10	100		10	100		67-130	0		20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	9.7	97		10	100		70-130	3		20
Ethylbenzene	ND	10	9.7	97		9.7	97		70-130	0		20
Vinyl chloride	ND	10	11	110		12	120		55-140	9		20
1,1-Dichloroethene	0.27J	10	10	100		10	100		61-145	0		20
trans-1,2-Dichloroethene	ND	10	9.8	98		10	100		70-130	2		20
Trichloroethene	0.37J	10	9.9	99		10	100		70-130	1		20
1,2-Dichlorobenzene	ND	10	9.5	95		9.7	97		70-130	2		20
1,3-Dichlorobenzene	ND	10	9.3	93		9.6	96		70-130	3		20
1,4-Dichlorobenzene	ND	10	9.4	94		9.5	95		70-130	1		20
Methyl tert butyl ether	ND	10	9.7	97		10	100		63-130	3		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	20	100		20	100		70-130	0		20
cis-1,2-Dichloroethene	ND	10	9.7	97		10	100		70-130	3		20
Acetone	3.6J	10	14	140		14	140		58-148	0		20

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 09406-01-GWA

**Project Number:** 09406-01-GWS

**Lab Number:** L1961607

**Report Date:** 01/02/20

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): 11-15 QC Batch ID: WG1325832-6 WG1325832-7 QC Sample: L1961607-12 Client ID: MLW-11D												
2-Butanone	ND	10	13	130		13	130		63-138	0		20
n-Butylbenzene	ND	10	9.4	94		9.1	91		53-136	3		20
sec-Butylbenzene	ND	10	9.4	94		9.1	91		70-130	3		20
tert-Butylbenzene	ND	10	9.4	94		9.4	94		70-130	0		20
n-Propylbenzene	ND	10	9.4	94		9.2	92		69-130	2		20
1,3,5-Trimethylbenzene	ND	10	9.5	95		9.6	96		64-130	1		20
1,2,4-Trimethylbenzene	ND	10	9.4	94		9.5	95		70-130	1		20
1,4-Dioxane	ND	500	550	110		620	124		56-162	12		20

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	109		102		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	100		99		70-130
Toluene-d8	99		98		70-130

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Present/Intact

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1961607-01A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-01B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-01C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-02A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-02B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-02C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-03A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-03B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-03C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-04A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-04B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-04C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-05A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-06A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-06B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-06C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-07A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-07B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-07C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-08A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-08B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-08C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-09A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1961607-09B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-09C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-10A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-10B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-10C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-11A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-11B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-11C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-12A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-12A1	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-12A2	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-12B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-12B1	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-12B2	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-12C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-12C1	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-12C2	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-13A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-13B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-13C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-14A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-14B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-14C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-15A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-15B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-15C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-16A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-16B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)

**Project Name:** 09406-01-GWA**Lab Number:** L1961607**Project Number:** 09406-01-GWS**Report Date:** 01/02/20**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1961607-16C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-17A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-17B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-17C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-18A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-18B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-18C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-19A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-19B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-19C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-20A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-20B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-20C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-21A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-21B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-21C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-22A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-22B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-22C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-23A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-23B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-23C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-24A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-24B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-24C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-25A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-25B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-25C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

Serial\_No:01022013:50  
**Lab Number:** L1961607  
**Report Date:** 01/02/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L1961607-26A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-26B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-26C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-27A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-27B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-27C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-28A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-28B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-28C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-29A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-29B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-29C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-30A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-30B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-30C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-31A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-31B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-31C	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-32A	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)
L1961607-32B	Vial HCl preserved	A	NA		4.6	Y	Present/Intact		NYTCL-8260(14)

**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

## 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.
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.

### Footnotes

Report Format: DU Report with 'J' Qualifiers





**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

- 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. If a 'Total' result is requested, the results of its individual components will also be reported.

**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.
- 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.
- 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.)

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 09406-01-GWA

**Lab Number:** L1961607

**Project Number:** 09406-01-GWS

**Report Date:** 01/02/20

**Data Qualifiers**

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

*Report Format: DU Report with 'J' Qualifiers*

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**Project Name:** 09406-01-GWA  
**Project Number:** 09406-01-GWS

**Lab Number:** L1961607  
**Report Date:** 01/02/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

## LIMITATION OF LIABILITIES

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

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



**Alpha Analytical, Inc.**

ID No.:17873

Facility: **Company-wide**

Revision 15

Department: **Quality Assurance**

Published Date: 8/15/2019 9:53:42 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

**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**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**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.****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.****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.

## Page 1 of 4

ICL ☐ ISW ☐  
IEC ☒ SGC ☐  
IM ☐



RECEIVED DATE:

Form SS-2/Nov. 2013



L1961607

<h1 style="margin: 0;">CHAIN OF CUSTODY</h1> <p style="margin: 0;">IMPACT ENVIRONMENTAL</p> <p style="margin: 0;">170 Keyland Court, Bohemia, New York 11716</p> <p style="margin: 0;">(Tel.) 631-269-8800 (Fax) 631-269-1599</p>															<div style="display: flex; justify-content: space-around;"> <div> <input type="checkbox"/> ICL  <input checked="" type="checkbox"/> IEC  <input type="checkbox"/> IM </div> <div> <input type="checkbox"/> ISW  <input type="checkbox"/> SGC  <input type="checkbox"/> </div> </div>		<b>LAB NAME:</b> Alpha  <b>RECEIVED DATE:</b>																						
Client Information			Project Information										Analytical Information										Matrix Codes																
<b>Company Name</b> Impact Environmental			<b>Project Name</b> 09406-01-GWS										<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact Analytical Package A*</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact Analytical Package B**</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact Analytical Package C***</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC 8260 (Analyte List for NY Part 375 and 401-subpart 6)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">GP82 Analysis</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs 8260 (CP51 Analyte List)</div> </div>										<b>Matrix Codes</b> L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved																
<b>Address</b> 170 Keyland Court			<b>Street</b> 2050 Hempstead Turnpike																																				
<b>City</b> Bohemia			<b>State</b> NY			<b>Zip</b> 11716			<b>City</b> East Meadow														<b>State</b> NY			<b>Zip</b>													
<b>Project Contact</b> Lef Robertson			<b>Project #</b> 09406-01-GWS																																				
<b>Phone #</b> 631-269-8800			<b>Fax #</b> 631-269-1599			<b>Sampler's Name</b> Lef Robertson				<b>Sampler's Signature</b> 																													
<b>E-mail</b> lrobertson@impactenvironmental.com																							<b>Sample Type</b> G=Grab C=Composite B=Blank																
LAB SAMPLE #		Sample Information			Sample Collection			Sample Containers																				(LAB USE ONLY)											
(LAB USE ONLY)		Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	None or OTHER*	ICE	ICL	Methanol (USEPA 5035)	Sodium Borohydride (EPA 5035)																										
		1 Dup-1	9406	L	G	12/20	-	3			X																												
		2 MLW-1+D	9406	L	G	12/20	915	9			X																												
		3 MLW-10	9406	L	G	12/20	917	3			X																												
		4 SUE-2	9406	L	G	12/20	920	3			X																												
		5 SW-1	9406	L	G	12/20	919	3			X																												
		6 MLW-2I	9406	L	G	12/20	930	3			X																												
		7 MLW-2D	9406	L	G	12/20	931	3			X																												
		8 MLW-3I	9406	L	G	12/20	937	3			X																												
		9 MLW-3D	9406	L	G	12/20	939	3			X																												
		10 MLW-6S	9406	L	G	12/20	1000	3			X																												
Turnaround Time (Business Days)										Data Deliverable Information										REFERENCES																			
<b>Standard Service</b> <input checked="" type="checkbox"/> Standard - 5 day <input type="checkbox"/> Standard - 4 day <input type="checkbox"/> Standard - 3 day										<b>(LAB USE ONLY)</b> TAT Approved By / Date:										*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and detection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP																			
<b>Rush Service</b> <input type="checkbox"/> 48 Hour RUSH <input type="checkbox"/> 24 Hour RUSH										<input type="checkbox"/> Results Only (Level-1) <input type="checkbox"/> Results plus Misc. QC (Level-2) <input type="checkbox"/> Results plus ALL QC (Level-3) <input type="checkbox"/> PA QC Package <input type="checkbox"/> NJ QC Package (Level3NJ)										<input type="checkbox"/> CLP Category A (Level-2) <input type="checkbox"/> CLP Category B (Level-4) <input checked="" type="checkbox"/> ASP QC Package (Level-4) <i>NY DCSRS Cat 3 Package</i> <input type="checkbox"/> Other <input checked="" type="checkbox"/> EDD Format <i>PDE/Excel/EQUIS</i> (EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OEN3)																			
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.																																							
<b>Relinquished by Sampler:</b> 1										<b>Date / Time:</b> 1 12/24/19										<b>Received By:</b> 1										<b>Date / Time:</b> 1 12/24/19 15:30									
<b>Relinquished by:</b> 3										<b>Date / Time:</b> 3 12/24/19 21:35										<b>Received By:</b> 3										<b>Date / Time:</b> 3									
<b>Relinquished by:</b> 5										<b>Date / Time:</b> 5										<b>Received By:</b> 5										<b>Date / Time:</b> 5									
<b>COOLER INFORMATION</b> Cooler Temp: _____ pH: _____ <input type="checkbox"/> On Ice <input type="checkbox"/> Sample Receipt Discrepancy (attach information)																																							

170 Keyland Court, Bohemia, New York 11716  
(Tel.) 631-269-8800 (Fax) 631-269-1599

ICL	<input type="checkbox"/>	ISW	<input type="checkbox"/>
IEC	<input checked="" type="checkbox"/>	SGC	<input type="checkbox"/>
IM	<input type="checkbox"/>		



RECEIVED DATE:

Client Information				Project Information										Analytical Information										Matrix Codes																																									
Company Name				Project Name										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes																					
Address				Street										VOC 8260 (Analyte List for NY Part 375 and 401-406)										GP82 Analysis										VOCs 8260 (CP51 Analyte List)										Matrix Codes																					
City				City										VOC 8260 (Analyte List for NY Part 375 and 401-406)										GP82 Analysis										VOCs 8260 (CP51 Analyte List)										Matrix Codes																					
State				State										VOC 8260 (Analyte List for NY Part 375 and 401-406)										GP82 Analysis										VOCs 8260 (CP51 Analyte List)										Matrix Codes																					
Zip				Zip										VOC 8260 (Analyte List for NY Part 375 and 401-406)										GP82 Analysis										VOCs 8260 (CP51 Analyte List)										Matrix Codes																					
Project Contact				Project #										VOC 8260 (Analyte List for NY Part 375 and 401-406)										GP82 Analysis										VOCs 8260 (CP51 Analyte List)										Matrix Codes																					
Phone #				Sampler's Name										VOC 8260 (Analyte List for NY Part 375 and 401-406)										GP82 Analysis										VOCs 8260 (CP51 Analyte List)										Matrix Codes																					
Fax #				Sampler's Signature										VOC 8260 (Analyte List for NY Part 375 and 401-406)										GP82 Analysis										VOCs 8260 (CP51 Analyte List)										Matrix Codes																					
E-mail				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
LAB				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
SAMPLE #				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
(LAB USE ONLY)				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
Sample ID				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
IEC Project Code				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
Matrix Code				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
Sample Type				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
Sample Date				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
Time				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
Total # of bottles				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
NONE or OTHER				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
ICE				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
HCL				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
Metals (USEPA 1013)				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
Sodium Bisulfite (EPA 5035)				Sample Information										Sample Collection										Sample Containers										Impact Analytical Package A*										Impact Analytical Package B**										Impact Analytical Package C***										Matrix Codes	
1 MLW-65				9406										L G 12/20 1002 3																																								L - Liquid											
2 MLW-6D				9406										L L 12/20 1003 3																																								S - Soil											
3 MLW-7I				9406										L G 12/20 1050 3																																								A - Air											
4 MLW-7D				9406										L L 12/20 1051 3																																								CL - Oil											
5 MLW-8S				9406										L L 12/20 1040 3																																								W - Wipe											
6 MLW-8I				9406										L L 12/20 1041 3																																								PC - Paint Chips											
7 MLW-8D				9406										L L 12/20 1043 3																																								SL - Sludge											
8 MLW-9S				9406										L L 12/20 1015 3																																								SD - Solid											
9 MLW-9I				9406										L L 12/20 1020 3																																								DW - Drinking Water											
10 DUP-2				9406										L L 12/20 1 3																																								DISS - Dissolved											
Turnaround Time (Business Days)				Data Deliverable Information										REFERENCES																																																			
Standard Service				(LAB USE ONLY)																																																													
<input checked="" type="checkbox"/> Standard - 5 day				TAT Approved By / Date:																																																													
<input type="checkbox"/> Standard - 4 day																																																																	
<input type="checkbox"/> Standard - 3 day																																																																	



L19411007

**CHAIN OF CUSTODY**

IMPACT ENVIRONMENTAL

170 Keyland Court, Bohemia, New York 11716

(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 4 of 4
 ICL ☐ ISW ☐  
 IEC ☒ SGC ☐  
 IM ☐
LAB NAME: Alpha

RECEIVED DATE:

Client Information				Project Information										Analytical Information										Matrix Codes	
Company Name Impact Environmental				Project Name <u>09406-01-GWS</u>										Impact Analytical Package A* Impact Analytical Package B** Impact Analytical Package C*** VOC 8260 (Analyte List for NY Part 375 amendments) GP82 Analysis VOCs 8260 (CP51 Analyte List)										L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved <b>Sample Type</b> G=Grab C=Composite B=Blank (LAB USE ONLY)	
Address 170 Keyland Court				Street <u>2050 Hempstead Turnpike</u>																					
City Bohemia		State NY	Zip 11716	City <u>East Meadow</u>				State NY		Zip															
Project Contact <u>Leif Robertson</u>				Project # <u>09406-01-GWS</u>																					
Phone # 631-269-8800				Fax # 631-269-1599										Sampler's Name <u>Leif Robertson</u>											
E-mail <u>lrobertson@impactenvironmental.com</u>				Sampler's Signature <u>[Signature]</u>																					
Sample Information				Sample Collection				Sample Containers																	
								Number of Each Preserved Bottle																	
(LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NOVA or OTHER*	ICE	HCL	Method (USEPA 5093)	Sodium Bisulfite (EPA 9005)													
1	<u>MLW-1D</u>	<u>9406</u>	<u>L</u>	<u>G</u>	<u>12/20</u>	<u>1030</u>	<u>3</u>			<u>X</u>															
2	<u>Trip Blank</u>	<u>9406</u>	<u>L</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2</u>			<u>X</u>															
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
Turnaround Time (Business Days)				Data Deliverable Information										REFERENCES											
Standard Service <input checked="" type="checkbox"/> Standard - 5 day <input type="checkbox"/> Standard - 4 day <input type="checkbox"/> Standard - 3 day Rush Service <input type="checkbox"/> 48 Hour RUSH <input type="checkbox"/> 24 Hour RUSH				(LAB USE ONLY) TAT Approved By / Date:				<input type="checkbox"/> Results Only (Level-1) <input type="checkbox"/> Results plus Misc. QC (Level-2) <input type="checkbox"/> Results plus ALL QC (Level-3) <input type="checkbox"/> PA QC Package <input type="checkbox"/> NJ QC Package (Level 3NJ) <input type="checkbox"/> CLP Category A (Level-2) <input type="checkbox"/> CLP Category B (Level-4) <input checked="" type="checkbox"/> ASP QC Package (Level-4) <input type="checkbox"/> Other <input type="checkbox"/> EDD Format PDF/Excel/Equis						*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSR & NY Part 375 parameters and detection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP NOTES/COMMENTS: * Low MDL (<1 ug/L) Requested * sample "Trip Blank" Lab prepared QA/QC Trip Blank sample											
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.																									
Relinquished by Sampler:				Date / Time:				Received By:				Relinquished By:				Date / Time:				Received By:					
1				12/24/19 1300				1 [Signature]				2 [Signature]				12/24/19 15:30				2 [Signature]					
Relinquished by:				Date / Time:				Received By:				Relinquished By:				Date / Time:				Received By:					
3				12/24/19 21:35				3				4				4				4					
Relinquished by:				Date / Time:				Received By:				Relinquished By:				Date / Time:				Received By:					
5				5				5																	
COOLER INFORMATION																									
Cooler Temp: _____ pH: _____ <input type="checkbox"/> On Ice <input type="checkbox"/> Sample Receipt Discrepancy(attach information)																									

Form SS-2/Nov. 2013







## ANALYTICAL REPORT

Lab Number:	L2015422
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Lief Robertson
Phone:	(631) 269-8800
Project Name:	09406-01-GWS
Project Number:	09406-01-GWS
Report Date:	04/17/20

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

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

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



**Project Name:** 09406-01-GWS  
**Project Number:** 09406-01-GWS

**Lab Number:** L2015422  
**Report Date:** 04/17/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2015422-01	FIELD BLANK	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:10	04/10/20
L2015422-02	MLW-0I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:20	04/10/20
L2015422-03	MLW-0D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:23	04/10/20
L2015422-04	SVE-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:24	04/10/20
L2015422-05	IW-1S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:30	04/10/20
L2015422-06	IW-1D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:31	04/10/20
L2015422-07	IW-2D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:45	04/10/20
L2015422-08	IW-3S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:50	04/10/20
L2015422-09	IW-3D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:53	04/10/20
L2015422-10	MLW-1IS	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 08:59	04/10/20
L2015422-11	DUP-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 00:00	04/10/20
L2015422-12	MLW-1ID	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 09:05	04/10/20
L2015422-13	MLW-1D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 09:10	04/10/20
L2015422-14	SVE-2	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 09:11	04/10/20
L2015422-15	SW-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 09:14	04/10/20
L2015422-16	MLW-2I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 09:30	04/10/20
L2015422-17	MLW-2D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 09:31	04/10/20
L2015422-18	MLW-3I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 09:40	04/10/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2015422-19	MLW-3D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 09:41	04/10/20
L2015422-20	MLW-6S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 09:55	04/10/20
L2015422-21	MLW-6I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 10:00	04/10/20
L2015422-22	MLW-6D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 10:03	04/10/20
L2015422-23	MLW-7I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 10:59	04/10/20
L2015422-24	MLW-7D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 11:00	04/10/20
L2015422-25	MLW-8S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 10:40	04/10/20
L2015422-26	MLW-8I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 10:43	04/10/20
L2015422-27	MLW-8D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 10:42	04/10/20
L2015422-28	MLW-9S	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 10:15	04/10/20
L2015422-29	MLW-9I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 10:17	04/10/20
L2015422-30	DUP-2	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 00:00	04/10/20
L2015422-31	MLW-9D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 10:19	04/10/20
L2015422-32	TRIP BLANK	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	04/08/20 00:00	04/10/20

**Project Name:** 09406-01-GWS  
**Project Number:** 09406-01-GWS

**Lab Number:** L2015422  
**Report Date:** 04/17/20

### 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.

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**Project Name:** 09406-01-GWS  
**Project Number:** 09406-01-GWS

**Lab Number:** L2015422  
**Report Date:** 04/17/20

### 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 WG1361835-7 MSD recovery, performed on L2015422-12, is outside the acceptance criteria for acetone (0%). The unacceptable percent recovery is attributed to the elevated concentrations of target compounds present in the native sample.

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

Authorized Signature:

*Melissa Sturgis* Melissa Sturgis

Title: Technical Director/Representative

Date: 04/17/20

# ORGANICS

# **VOLATILES**



Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-01  
 Client ID: FIELD BLANK  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 04/08/20 08:10  
 Date Received: 04/10/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 04/15/20 19:26  
 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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.0	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-01

Date Collected: 04/08/20 08:10

Client ID: FIELD BLANK

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-02

Date Collected: 04/08/20 08:20

Client ID: MLW-01

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 19:52

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	6.8		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-02

Date Collected: 04/08/20 08:20

Client ID: MLW-01

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

**Project Name:** 09406-01-GWS**Lab Number:** L2015422**Project Number:** 09406-01-GWS**Report Date:** 04/17/20**SAMPLE RESULTS****Lab ID:** L2015422-03**Date Collected:** 04/08/20 08:23**Client ID:** MLW-0D**Date Received:** 04/10/20**Sample Location:** 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water**Analytical Method:** 1,8260C**Analytical Date:** 04/15/20 20:17**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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	4.3	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-03

Date Collected: 04/08/20 08:23

Client ID: MLW-0D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-04

Date Collected: 04/08/20 08:24

Client ID: SVE-1

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 20:42

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	4.9	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-04

Date Collected: 04/08/20 08:24

Client ID: SVE-1

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130



Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-05

Date Collected: 04/08/20 08:30

Client ID: IW-1S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 20:42

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	21		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-05

Date Collected: 04/08/20 08:30

Client ID: IW-1S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-06

Date Collected: 04/08/20 08:31

Client ID: IW-1D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 21:05

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
Tetrachloroethene	48		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	6.3		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-06

Date Collected: 04/08/20 08:31

Client ID: IW-1D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-07

Date Collected: 04/08/20 08:45

Client ID: IW-2D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 21:29

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
Tetrachloroethene	1.1		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	5.4		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-07

Date Collected: 04/08/20 08:45

Client ID: IW-2D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-08

Date Collected: 04/08/20 08:50

Client ID: IW-3S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 21:52

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	7.8		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-08

Date Collected: 04/08/20 08:50

Client ID: IW-3S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130



Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-09 D  
 Client ID: IW-3D  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 04/08/20 08:53  
 Date Received: 04/10/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 04/16/20 03:16  
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
Tetrachloroethene	180		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Acetone	24		ug/l	10	2.9	2
2-Butanone	ND		ug/l	10	3.9	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	ND		ug/l	5.0	1.4	2

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-09 D

Date Collected: 04/08/20 08:53

Client ID: IW-3D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-10

Date Collected: 04/08/20 08:59

Client ID: MLW-1IS

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 22:15

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
Tetrachloroethene	33		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	8.7		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-10

Date Collected: 04/08/20 08:59

Client ID: MLW-1IS

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-11

Date Collected: 04/08/20 00:00

Client ID: DUP-1

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 22:38

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
Tetrachloroethene	32		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	5.7		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-11

Date Collected: 04/08/20 00:00

Client ID: DUP-1

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-12

Date Collected: 04/08/20 09:05

Client ID: MLW-11D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 16:10

Analyst: AD

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	4.2		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
Tetrachloroethene	3.2		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	1.2		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Acetone	26		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-12

Date Collected: 04/08/20 09:05

Client ID: MLW-11D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130



Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-13

Date Collected: 04/08/20 09:10

Client ID: MLW-1D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 23:01

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
Tetrachloroethene	3.8		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	9.0		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-13

Date Collected: 04/08/20 09:10

Client ID: MLW-1D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-14

Date Collected: 04/08/20 09:11

Client ID: SVE-2

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 23:25

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
Tetrachloroethene	0.30	J	ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	9.0		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-14

Date Collected: 04/08/20 09:11

Client ID: SVE-2

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-15

Date Collected: 04/08/20 09:14

Client ID: SW-1

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/15/20 23:48

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	5.6		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-15

Date Collected: 04/08/20 09:14

Client ID: SW-1

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-16

Date Collected: 04/08/20 09:30

Client ID: MLW-2I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 00:11

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
Tetrachloroethene	12		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.3		ug/l	2.5	0.70	1
Acetone	5.6		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-16

Date Collected: 04/08/20 09:30

Client ID: MLW-2I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	107		70-130



Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-17

Date Collected: 04/08/20 09:31

Client ID: MLW-2D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 00:34

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	4.1		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
Tetrachloroethene	0.19	J	ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	1.3		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.3		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Acetone	5.0		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-17

Date Collected: 04/08/20 09:31

Client ID: MLW-2D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-18

Date Collected: 04/08/20 09:40

Client ID: MLW-3I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 00:58

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
Tetrachloroethene	18		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	8.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	22		ug/l	2.5	0.70	1
Acetone	6.2		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-18

Date Collected: 04/08/20 09:40

Client ID: MLW-3I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-19

Date Collected: 04/08/20 09:41

Client ID: MLW-3D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 01:21

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
Tetrachloroethene	1.4		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.71		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1
Acetone	7.2		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-19

Date Collected: 04/08/20 09:41

Client ID: MLW-3D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-20

Date Collected: 04/08/20 09:55

Client ID: MLW-6S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 01:44

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	12		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-20

Date Collected: 04/08/20 09:55

Client ID: MLW-6S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130



Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-21

Date Collected: 04/08/20 10:00

Client ID: MLW-6I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 02:07

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	8.6		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-21

Date Collected: 04/08/20 10:00

Client ID: MLW-6I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-22

Date Collected: 04/08/20 10:03

Client ID: MLW-6D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 02:30

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	0.75	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	6.6		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-22

Date Collected: 04/08/20 10:03

Client ID: MLW-6D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-23

Date Collected: 04/08/20 10:59

Client ID: MLW-7I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 02:53

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
Tetrachloroethene	13		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	6.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	10		ug/l	2.5	0.70	1
Acetone	5.3		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-23

Date Collected: 04/08/20 10:59

Client ID: MLW-7I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-24

Date Collected: 04/08/20 11:00

Client ID: MLW-7D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 12:41

Analyst: AD

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
Tetrachloroethene	3.7		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	0.27	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	4.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	4.8		ug/l	2.5	0.70	1
Acetone	6.8		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-24

Date Collected: 04/08/20 11:00

Client ID: MLW-7D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130



Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-25

Date Collected: 04/08/20 10:40

Client ID: MLW-8S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 13:05

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.4	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-25

Date Collected: 04/08/20 10:40

Client ID: MLW-8S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-26

Date Collected: 04/08/20 10:43

Client ID: MLW-8I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 13:28

Analyst: AD

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
Tetrachloroethene	17		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	6.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	16		ug/l	2.5	0.70	1
Acetone	7.4		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-26

Date Collected: 04/08/20 10:43

Client ID: MLW-8I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-27

Date Collected: 04/08/20 10:42

Client ID: MLW-8D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 13:51

Analyst: AD

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
Tetrachloroethene	20		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
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
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	7.1		ug/l	2.5	0.70	1
Acetone	5.9		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-27

Date Collected: 04/08/20 10:42

Client ID: MLW-8D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-28

Date Collected: 04/08/20 10:15

Client ID: MLW-9S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 14:14

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	2.1	J	ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-28

Date Collected: 04/08/20 10:15

Client ID: MLW-9S

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130



Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-29 D  
 Client ID: MLW-9I  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 04/08/20 10:17  
 Date Received: 04/10/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 04/16/20 14:38  
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
Tetrachloroethene	160		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	28		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	55		ug/l	5.0	1.4	2
Acetone	6.1	J	ug/l	10	2.9	2
2-Butanone	ND		ug/l	10	3.9	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	ND		ug/l	5.0	1.4	2

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-29 D

Date Collected: 04/08/20 10:17

Client ID: MLW-9I

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-30

Date Collected: 04/08/20 00:00

Client ID: DUP-2

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 15:01

Analyst: AD

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
Tetrachloroethene	160		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	31		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	61		ug/l	2.5	0.70	1
Acetone	8.2		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-30

Date Collected: 04/08/20 00:00

Client ID: DUP-2

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-31

Date Collected: 04/08/20 10:19

Client ID: MLW-9D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 15:24

Analyst: AD

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
Tetrachloroethene	0.31	J	ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	6.3		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-31

Date Collected: 04/08/20 10:19

Client ID: MLW-9D

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

## SAMPLE RESULTS

Lab ID: L2015422-32

Date Collected: 04/08/20 00:00

Client ID: TRIP BLANK

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/16/20 15:47

Analyst: AD

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
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

**SAMPLE RESULTS**

Lab ID: L2015422-32

Date Collected: 04/08/20 00:00

Client ID: TRIP BLANK

Date Received: 04/10/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130



Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/15/20 19:32  
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-11,13-23 Batch: WG1361689-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 04/15/20 19:32

Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-11,13-23 Batch: WG1361689-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/15/20 18:35  
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1361729-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 04/15/20 18:35

Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1361729-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/16/20 08:25  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12,24-32 Batch: WG1361835-5					
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
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	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
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Acetone	ND		ug/l	5.0	1.5
2-Butanone	ND		ug/l	5.0	1.9
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
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 04/16/20 08:25  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12,24-32 Batch: WG1361835-5					
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 09406-01-GWS

Project Number: 09406-01-GWS

Lab Number: L2015422

Report Date: 04/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-11,13-23 Batch: WG1361689-3 WG1361689-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	95		94		63-132	1		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Benzene	99		96		70-130	3		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Vinyl chloride	100		98		55-140	2		20
1,1-Dichloroethene	98		97		61-145	1		20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	92		93		70-130	1		20
1,3-Dichlorobenzene	94		93		70-130	1		20
1,4-Dichlorobenzene	96		94		70-130	2		20
Methyl tert butyl ether	95		96		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Acetone	110		120		58-148	9		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-11,13-23 Batch: WG1361689-3 WG1361689-4								
2-Butanone	110		130		63-138	17		20
n-Butylbenzene	99		97		53-136	2		20
sec-Butylbenzene	89		87		70-130	2		20
tert-Butylbenzene	89		88		70-130	1		20
n-Propylbenzene	98		97		69-130	1		20
1,3,5-Trimethylbenzene	97		95		64-130	2		20
1,2,4-Trimethylbenzene	96		94		70-130	2		20
1,4-Dioxane	106		110		56-162	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	123		125		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	108		108		70-130



# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1361729-3 WG1361729-4								
Methylene chloride	91		100		70-130	9		20
1,1-Dichloroethane	96		100		70-130	4		20
Chloroform	96		100		70-130	4		20
Carbon tetrachloride	100		110		63-132	10		20
Tetrachloroethene	92		100		70-130	8		20
Chlorobenzene	91		99		75-130	8		20
1,2-Dichloroethane	95		110		70-130	15		20
1,1,1-Trichloroethane	99		110		67-130	11		20
Benzene	100		110		70-130	10		20
Toluene	91		99		70-130	8		20
Ethylbenzene	91		99		70-130	8		20
Vinyl chloride	110		110		55-140	0		20
1,1-Dichloroethene	94		100		61-145	6		20
trans-1,2-Dichloroethene	93		100		70-130	7		20
Trichloroethene	97		110		70-130	13		20
1,2-Dichlorobenzene	85		95		70-130	11		20
1,3-Dichlorobenzene	89		98		70-130	10		20
1,4-Dichlorobenzene	90		97		70-130	7		20
Methyl tert butyl ether	93		100		63-130	7		20
p/m-Xylene	90		100		70-130	11		20
o-Xylene	90		100		70-130	11		20
cis-1,2-Dichloroethene	98		100		70-130	2		20
Acetone	84		94		58-148	11		20

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1361729-3 WG1361729-4								
2-Butanone	81		100		63-138	21	Q	20
n-Butylbenzene	93		100		53-136	7		20
sec-Butylbenzene	91		100		70-130	9		20
tert-Butylbenzene	92		100		70-130	8		20
n-Propylbenzene	92		99		69-130	7		20
1,3,5-Trimethylbenzene	92		99		64-130	7		20
1,2,4-Trimethylbenzene	91		98		70-130	7		20
1,4-Dioxane	88		116		56-162	27	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		110		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	102		104		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12,24-32 Batch: WG1361835-3 WG1361835-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	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
Vinyl chloride	110		110		55-140	0		20
1,1-Dichloroethene	120		110		61-145	9		20
trans-1,2-Dichloroethene	97		98		70-130	1		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	91		92		70-130	1		20
1,3-Dichlorobenzene	94		95		70-130	1		20
1,4-Dichlorobenzene	94		96		70-130	2		20
Methyl tert butyl ether	88		92		63-130	4		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Acetone	110		100		58-148	10		20

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: 09406-01-GWS

Lab Number: L2015422

Project Number: 09406-01-GWS

Report Date: 04/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12,24-32 Batch: WG1361835-3 WG1361835-4								
2-Butanone	110		110		63-138	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	93		93		70-130	0		20
tert-Butylbenzene	90		92		70-130	2		20
n-Propylbenzene	100		100		69-130	0		20
1,3,5-Trimethylbenzene	99		99		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
1,4-Dioxane	96		86		56-162	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	122		122		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	107		108		70-130

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 09406-01-GWS

**Lab Number:** L2015422

**Project Number:** 09406-01-GWS

**Report Date:** 04/17/20

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): 12,24-32 QC Batch ID: WG1361835-6 WG1361835-7 QC Sample: L2015422-12 Client ID: MLW-11D												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	4.2	10	16	118		17	128		70-130	6		20
Chloroform	ND	10	12	120		12	120		70-130	0		20
Carbon tetrachloride	ND	10	10	100		10	100		63-132	0		20
Tetrachloroethene	3.2	10	11	78		12	88		70-130	9		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
1,2-Dichloroethane	ND	10	12	120		13	130		70-130	8		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20
1,1-Dichloroethene	1.2	10	12	108		12	108		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	1.2	10	11	98		12	108		70-130	9		20
1,2-Dichlorobenzene	ND	10	9.0	90		9.3	93		70-130	3		20
1,3-Dichlorobenzene	ND	10	9.1	91		9.3	93		70-130	2		20
1,4-Dichlorobenzene	ND	10	9.2	92		9.6	96		70-130	4		20
Methyl tert butyl ether	ND	10	9.7	97		10	100		63-130	3		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	19	95		19	95		70-130	0		20
cis-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Acetone	26	10	33	70		19	0	Q	58-148	54	Q	20

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 09406-01-GWS

**Lab Number:** L2015422

**Project Number:** 09406-01-GWS

**Report Date:** 04/17/20

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): 12,24-32 QC Batch ID: WG1361835-6 WG1361835-7 QC Sample: L2015422-12 Client ID: MLW-11D												
2-Butanone	ND	10	14	140	Q	13	130		63-138	7		20
n-Butylbenzene	ND	10	9.2	92		9.4	94		53-136	2		20
sec-Butylbenzene	ND	10	8.4	84		8.7	87		70-130	4		20
tert-Butylbenzene	ND	10	8.5	85		8.8	88		70-130	3		20
n-Propylbenzene	ND	10	9.4	94		9.8	98		69-130	4		20
1,3,5-Trimethylbenzene	ND	10	9.3	93		9.5	95		64-130	2		20
1,2,4-Trimethylbenzene	ND	10	9.1	91		9.4	94		70-130	3		20
1,4-Dioxane	ND	500	540	108		540	108		56-162	0		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		125		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	109		110		70-130
Toluene-d8	100		99		70-130

**Project Name:** 09406-01-GWS**Lab Number:** L2015422**Project Number:** 09406-01-GWS**Report Date:** 04/17/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2015422-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-02A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-02B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-02C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-03A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-03B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-03C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-04A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-04B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-04C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-05A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-05B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-05C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-06A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-06B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-06C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-07A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-07B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-07C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-08A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-08B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

**Project Name:** 09406-01-GWS  
**Project Number:** 09406-01-GWS

**Serial\_No:**04172010:21  
**Lab Number:** L2015422  
**Report Date:** 04/17/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2015422-08C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-09A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-09B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-09C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-10A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-10B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-10C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-11A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-11B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-11C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-12A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-12A1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-12A2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-12B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-12B1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-12B2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-12C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-12C1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-12C2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-13A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-13B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-13C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-14A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-14B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-14C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-15A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-15B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-15C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)



**Project Name:** 09406-01-GWS  
**Project Number:** 09406-01-GWS

**Serial\_No:**04172010:21  
**Lab Number:** L2015422  
**Report Date:** 04/17/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2015422-16A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-16B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-16C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-17A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-17B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-17C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-18A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-18B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-18C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-19A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-19B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-19C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-20A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-20B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-20C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-21A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-21B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-21C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-22A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-22B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-22C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-23A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-23B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-23C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-24A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-24B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-24C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-25A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

**Project Name:** 09406-01-GWS  
**Project Number:** 09406-01-GWS

**Serial\_No:** 04172010:21  
**Lab Number:** L2015422  
**Report Date:** 04/17/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2015422-25B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-25C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-26A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-26B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-26C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-27A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-27B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-27C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-28A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-28B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-28C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-29A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-29B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-29C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-30A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-30B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-30C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-31A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-31B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-31C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-32A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2015422-32B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

**Project Name:** 09406-01-GWS  
**Project Number:** 09406-01-GWS

**Lab Number:** L2015422  
**Report Date:** 04/17/20

## 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.
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.

### Footnotes

*Report Format: DU Report with 'J' Qualifiers*



**Project Name:** 09406-01-GWS**Lab Number:** L2015422**Project Number:** 09406-01-GWS**Report Date:** 04/17/20

- 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. 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.
- 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.
- 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

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 09406-01-GWS**Lab Number:** L2015422**Project Number:** 09406-01-GWS**Report Date:** 04/17/20**Data Qualifiers**

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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 09406-01-GWS  
**Project Number:** 09406-01-GWS

**Lab Number:** L2015422  
**Report Date:** 04/17/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

## LIMITATION OF LIABILITIES

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

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



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 16

Published Date: 2/17/2020 10:46:05 AM

Page 1 of 1

**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**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**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.

**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****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.****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.



**CHAIN OF CUSTODY**

IMPACT ENVIRONMENTAL

170 Keyland Court, Bohemia, New York 11716  
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 4

ICL ☒ ISW ☐  
IEC ☐ SGC ☐  
IM ☐

LAB NAME: Alpha

RECEIVED DATE:

L2018422  
4/10/20

Client Information			Project Information										Analytical Information										Matrix Codes	
Company Name Impact Environmental			Project Name 09406-01 - LWS										Impact Analytical Package A* Impact Analytical Package B*** Impact Analytical Package C**** VOC 8260 (Analyte List for NY Part 375 and NJ Rule 707) GP82 Analysis VOCs 8260 (CP51 Analyte List) (LAB USE ONLY)										L - Liquid	
Address 170 Keyland Court			Street 2050 Hempstead Turnpike																				S - Soil	
City Bohemia	State NY	Zip 11716	City East Meadow State NY Zip																				A - Air	
Project Contact Leif Robertson			Project # 09406-01 LWS																				OL - Oil	
Phone # 631-269-8800			Fax # 631-269-1599			Sampler's Name Leif Robertson			Sampler's Signature													W - Wipe		
E-mail lrobertson@impactenvironmental.com																							PC - Paint Chips	
LAB			Sample Information			Sample Collection			Sample Containers														SL - Sludge	
SAMPLE #									Number of Each Preserved Bottle														SD - Solid	
(LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	MON or OTHER*	ICE	HCL	Method (USEPA 5035)	Sodium Borohydride (EPA 5035)											DW - Drinking Water	
-01	1 Field Blank	09406	L	G	4/8	8:10	3			X													DISS - Dissolved	
-02	2 MLW-01	09406	L	G	4/8	8:20	3			X													Sample Type	
-03	3 MLW-02	09406	L	G	4/8	8:23	3			X													G=Grab	
-04	4 SW-1	09406	L	G	4/8	8:24	3			X													C=Composite	
-05	5 IW-1S	09406	L	G	4/8	8:30	3			X													B=Blank	
-06	6 IW-1D	09406	L	G	4/8	8:31	3			X														
-07	7 IW-2D	09406	L	G	4/8	8:45	3			X														
-08	8 IW-3S	09406	L	G	4/8	8:50	3			X														
-09	9 IW-3D	09406	L	G	4/8	8:53	3			X														
-10	10 MLW-1S	09406	L	G	4/8	8:59	3			X														
Turnaround Time (Business Days)			Data Deliverable Information										REFERENCES											
Standard Service			(LAB USE ONLY)										*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSR & NY Part 375 parameters and detection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP											
<input checked="" type="checkbox"/> Standard - 5 day <input type="checkbox"/> Standard - 4 day <input type="checkbox"/> Standard - 3 day			TAT Approved By / Date:										<input type="checkbox"/> Results Only (Level-1) <input type="checkbox"/> Results plus Misc. QC (Level-2) <input type="checkbox"/> Results plus ALL QC (Level-3) <input type="checkbox"/> PA QC Package <input type="checkbox"/> NJ QC Package (Level3NJ)											
Rush Service													<input checked="" type="checkbox"/> CLP Category A (Level-2) <input type="checkbox"/> CLP Category B (Level-4) <input checked="" type="checkbox"/> ASP QC Package (Level-4) <i>NYS ASP Cat B package</i> <input type="checkbox"/> Other <input checked="" type="checkbox"/> EDD Format <i>PDF/Excel/EQUIS</i> (EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OEN)											
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.															NOTES/COMMENTS:									
Relinquished by: <i>[Signature]</i> Date / Time: <i>4/10/20</i> Relinquished by: <i>MJD MGAR</i> Date / Time: <i>4-10-20 1705</i> Relinquished by: <i>Paul Magella</i> Date / Time: <i>4/10/20 2100</i>															* Low level MDL (1 ug/L) Requested * Sample "Field Blank". QA/QC Field Blank sample									
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# CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL

170 Keyland Court, Bohemia, New York 11716

(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 2 of 4

ICL ☒ ISW ☐  
IEC ☐ SGC ☐  
IM ☐



LAB NAME: Alpha L2015122

RECEIVED DATE: 4/10/20

Client Information				Project Information				Analytical Information												Matrix Codes													
Company Name Impact Environmental				Project Name 09406-01-6WS																L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved													
Address 170 Keyland Court				Street 2050 Hempstead Turnpike																													
City Bohemia		State NY	Zip 11716	City East Meadow		State NY	Zip																										
Project Contact Leif Robertson				Project # 09406-01-6WS																													
Phone # 631-269-8800		Fax # 631-269-1599		Sampler's Name Leif Robertson																													
E-mail lrobertson@impactenvironmental.com				Sampler's Signature <i>[Signature]</i>																													
LAB SAMPLE #	Sample Information			Sample Collection			Sample Containers					Impact Analytical Package A*			Impact Analytical Package B**			Impact Analytical Package C***			VOCs 8260 (Analyte List for NY Part 375 end-use testing)			GP82 Analysis			VOCs 8260 (CP51 Analyte List)			Sample Type			
(LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NOTE or OTHER	ICE	HCL	Methanol (USEPA 5020)	Sodium Bisulfate (EPA 5025)																G=Grab C=Composite B=Blank					
																												(LAB USE ONLY)					
-11	1	DUP-1	09406	L	G	4/8	-	3																									
-12	2	MLW-1ID	09406	L	G	4/8	9:05	3																									
-13	3	MLW-1D	09406	L	G	4/8	9:10	3																									
-14	4	SUE-2	09406	L	G	4/8	9:11	3																									
-15	5	SW-1	09406	L	G	4/8	9:14	3																									
-16	6	MLW-2I	09406	L	G	4/8	9:30	3																									
-17	7	MLW-2D	09406	L	G	4/8	9:31	3																									
-18	8	MLW-3I	09406	L	G	4/8	9:40	3																									
-19	9	MLW-3D	09406	L	G	4/8	9:41	3																									
-20	10	MLW-6S	09406	L	G	4/8	9:55	3																									

Turnaround Time (Business Days)		(LAB USE ONLY)		Data Deliverable Information		REFERENCES	
<input checked="" type="checkbox"/> Standard - 5 day		TAT Approved By / Date:		<input type="checkbox"/> Results Only (Level-1)	<input type="checkbox"/> CLP Category A (Level-2)	*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and detection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP	
<input type="checkbox"/> Standard - 4 day			<input type="checkbox"/> Results plus Misc. QC (Level-2)	<input type="checkbox"/> CLP Category B (Level-4)			
<input type="checkbox"/> Standard - 3 day			<input type="checkbox"/> Results plus ALL QC (Level-3)	<input checked="" type="checkbox"/> ASP QC Package (Level-4) NYS ASP			
			<input type="checkbox"/> PA QC Package	<input type="checkbox"/> Other <i>cat B package</i>			
Rush Service				<input type="checkbox"/> NJ QC Package (Level3NJ)	<input checked="" type="checkbox"/> EDD Format PDF/Excel/EQUIS	NOTES/COMMENTS: * Low level MDL (61ug/L) Requested * Sample "DUP-1" = QA/QC duplicate sample * Sample "MLW-1ID" QA/QC MS/MSO sample	
<input type="checkbox"/> 48 Hour RUSH				(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)			

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished By:	Date / Time:	Received By:	Date / Time:	Relinquished By:	Date / Time:	Received By:
1 <i>[Signature]</i>	4/10/20	1 <i>[Signature]</i>	4-10-20 1705	2 <i>[Signature]</i>		2 <i>[Signature]</i>
3 <i>[Signature]</i>	4/10/20 1705	3 <i>[Signature]</i>		4 <i>[Signature]</i>		4 <i>[Signature]</i>
5 <i>[Signature]</i>	4/10/20 2100	5 <i>[Signature]</i>				

COOLER INFORMATION	
Cooler Temp: _____	pH: _____ <input type="checkbox"/> On Ice <input type="checkbox"/> Sample Receipt Discrepancy(attach information)





170 Keyland Court, Bohemia, New York 11716  
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 4 of 4

ICL	<input checked="" type="checkbox"/>	ISW	<input type="checkbox"/>
IEC	<input type="checkbox"/>	SGC	<input type="checkbox"/>
IM	<input type="checkbox"/>		



LAB NAME: Alpha L 2015422

RECEIVED DATE: 4/10/20

Client Information				Project Information										Analytical Information										Matrix Codes	
Company Name Impact Environmental				Project Name 09406-01-6WS										Impact Analytical Package A* Impact Analytical Package B** Impact Analytical Package C*** VOC 8260 (Analyte List for NY Part 375 and 405) GP82 Analysis VOCs 8260 (CP51 Analyte List)										L - Liquid S - Sol A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved	
Address 170 Keyland Court				Street 2050 Hempstead Turnpike																					
City Bohemia		State NY	Zip 11716	City East Meadow																					
Project Contact KEIF Robertson				Project # 09406-01-6WS																					
Phone # 631-269-8800				Fax # 631-269-1599																					
E-mail Robertson@impactenvironmental.com				Sampler's Name KEIF Robertson										Sampler's Signature 										Sample Type G=Grab C=Composite B=Blank	
Sample Information				Sample Collection				Sample Containers Number of Each Preserved Bottle																	
(LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Nitric (USEPA 5035)	Sodium Bisulfite (BPA 5035)	(LAB USE ONLY)												
-31	1 MLW-90	09406	L	C	4/8	1019	3																		
-32	2 Trip Blank	09406	L	-	-	-	2																		
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
	10																								
Turnaround Time (Business Days)				Data Deliverable Information										REFERENCES											
Standard Service				(LAB USE ONLY)										*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSR5 & NY Part 375 parameters and detection limits. **Package B (proprietary)- Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP											
<input checked="" type="checkbox"/> Standard - 5 day				TAT Approved By / Date:																					
<input type="checkbox"/> Standard - 4 day																									
<input type="checkbox"/> Standard - 3 day														NOTES/COMMENTS: * Low Level MBL (1 mg/L) Requested * Sample "trip Blank" Lab prepared GAC/GC Trip Blank sample											
Rush Service																									
<input type="checkbox"/> 48 Hour RUSH																									
<input type="checkbox"/> 24 Hour RUSH																									
				Results Only (Level-1) Results plus Misc. QC (Level-2) Results plus ALL QC (Level-3) PA QC Package NJ QC Package (Level 3NJ) (EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)										CLP Category A (Level-2) CLP Category B (Level-4) <input checked="" type="checkbox"/> ASP QC Package (Level-4) NYS ASP Other <input checked="" type="checkbox"/> EDD Format PDF/Excel/ EQUIS											
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.																									
Relinquished By Sampler:				Date / Time:				Received By:				Date / Time:				Received By:									
1				4/14/20				1 MB MGH				4-10-20 1400				2									
Relinquished by:				Date / Time:				Received By:				Date / Time:				Received By:									
3				4-10-20 1705				3								4									
Relinquished by:				Date / Time:				Received By:				Date / Time:				Received By:									
5				4/14/20 2100				5																	
Cooler Information																									
Cooler Temp: _____ pH: _____														<input type="checkbox"/> On Ice <input type="checkbox"/> Sample Receipt Discrepancy(attach information)											

Site No.: V00347-1 – Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York

## **Appendix B**

Compliance Groundwater Sampling Laboratory Analysis Reports



## ANALYTICAL REPORT

Lab Number:	L2033379
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Lief Robertson
Phone:	(631) 269-8800
Project Name:	MELODY
Project Number:	09406
Report Date:	08/21/20

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

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

---

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



Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2033379-01	FIELD BLANK	FIELD BLANK	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 09:30	08/17/20
L2033379-02	IW-3D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 11:00	08/17/20
L2033379-03	MLW-1IS	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 10:15	08/17/20
L2033379-04	DUP-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 00:00	08/17/20
L2033379-05	SW-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 11:45	08/17/20
L2033379-06	MLW-8D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 12:30	08/17/20
L2033379-07	MLW-9I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 13:00	08/17/20
L2033379-08	TRIP BLANK	TRIP BLANK (AQUEOUS)	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 00:00	08/17/20
L2033379-09	EFFLUENT	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 14:00	08/17/20

**Project Name:** MELODY  
**Project Number:** 09406

**Lab Number:** L2033379  
**Report Date:** 08/21/20

### 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:** MELODY**Project Number:** 09406**Lab Number:** L2033379**Report Date:** 08/21/20**Case Narrative (continued)**

## Report Submission

August 21, 2020: This final report includes the results of all requested analyses.

August 19, 2020: This is a preliminary report.

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

## Volatile Organics

The WG1400080-6 MS recovery, performed on L2033379-02, is outside the acceptance criteria for tetrachloroethene (0%). The unacceptable percent recovery is attributed to the elevated concentration of target compound present in the native sample.

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 08/21/20



# ORGANICS

# **VOLATILES**

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-01

Date Collected: 08/14/20 09:30

Client ID: FIELD BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

Analytical Method: 1,8260C

Analytical Date: 08/18/20 09:32

Analyst: PD

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

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-01

Date Collected: 08/14/20 09:30

Client ID: FIELD BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-01

Date Collected: 08/14/20 09:30

Client ID: FIELD BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-01

Date Collected: 08/14/20 09:30

Client ID: FIELD BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

Analytical Method: 117,-

Analytical Date: 08/20/20 07:52

Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Ethene	ND		ug/l	0.500	0.500	1	A

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-02

Date Collected: 08/14/20 11:00

Client ID: IW-3D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 08/20/20 08:26

Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Ethene	ND		ug/l	0.500	0.500	1	A

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-02 D  
 Client ID: IW-3D  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 11:00  
 Date Received: 08/17/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 08/18/20 10:14  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	320		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,3-Dichloropropene, Total	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	6.2	1.8	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5



Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-02 D

Date Collected: 08/14/20 11:00

Client ID: IW-3D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
Xylenes, Total	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	ND		ug/l	6.2	1.8	2.5
Dibromomethane	ND		ug/l	12	2.5	2.5
1,2,3-Trichloropropane	ND		ug/l	6.2	1.8	2.5
Acrylonitrile	ND		ug/l	12	3.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	9.6	J	ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
Vinyl acetate	ND		ug/l	12	2.5	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
2,2-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,3-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	6.2	1.8	2.5
Bromobenzene	ND		ug/l	6.2	1.8	2.5
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	2.5
o-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
p-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Hexachlorobutadiene	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-02 D

Date Collected: 08/14/20 11:00

Client ID: IW-3D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
p-Diethylbenzene	ND		ug/l	5.0	1.8	2.5
p-Ethyltoluene	ND		ug/l	5.0	1.8	2.5
1,2,4,5-Tetramethylbenzene	ND		ug/l	5.0	1.4	2.5
Ethyl ether	ND		ug/l	6.2	1.8	2.5
trans-1,4-Dichloro-2-butene	ND		ug/l	6.2	1.8	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-03

Date Collected: 08/14/20 10:15

Client ID: MLW-1IS

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 08/20/20 10:45

Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Ethene	ND		ug/l	0.500	0.500	1	A

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-03 D  
 Client ID: MLW-1IS  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 10:15  
 Date Received: 08/17/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 08/18/20 10:36  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	450		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-03 D

Date Collected: 08/14/20 10:15

Client ID: MLW-1IS

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
1,2-Dichloroethene, Total	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	17	J	ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-03 D

Date Collected: 08/14/20 10:15

Client ID: MLW-1IS

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-04

Date Collected: 08/14/20 00:00

Client ID: DUP-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 08/20/20 11:03

Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Ethene	ND		ug/l	0.500	0.500	1	A

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-04 D

Date Collected: 08/14/20 00:00

Client ID: DUP-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/18/20 10:57

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	490		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5



Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-04 D

Date Collected: 08/14/20 00:00

Client ID: DUP-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
1,2-Dichloroethene, Total	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	20	J	ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-04 D

Date Collected: 08/14/20 00:00

Client ID: DUP-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-05

Date Collected: 08/14/20 11:45

Client ID: SW-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/18/20 11:19

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	1.8		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-05

Date Collected: 08/14/20 11:45

Client ID: SW-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	11		ug/l	5.0	1.5	1
Carbon disulfide	1.6	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	2.4	J	ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-05

Date Collected: 08/14/20 11:45

Client ID: SW-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-05

Date Collected: 08/14/20 11:45

Client ID: SW-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 08/20/20 11:20

Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Ethene	1.89		ug/l	0.500	0.500	1	A

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-06

Date Collected: 08/14/20 12:30

Client ID: MLW-8D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/18/20 11:40

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	8.8		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-06

Date Collected: 08/14/20 12:30

Client ID: MLW-8D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	9.6		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	9.6		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-06

Date Collected: 08/14/20 12:30

Client ID: MLW-8D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	91		70-130

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-06

Date Collected: 08/14/20 12:30

Client ID: MLW-8D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 08/20/20 12:04

Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Ethene	ND		ug/l	0.500	0.500	1	A

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-07

Date Collected: 08/14/20 13:00

Client ID: MLW-9I

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/18/20 12:01

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	63		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-07

Date Collected: 08/14/20 13:00

Client ID: MLW-9I

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	7.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	4.6		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	4.6		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-07

Date Collected: 08/14/20 13:00

Client ID: MLW-9I

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

**Project Name:** MELODY**Project Number:** 09406**Lab Number:** L2033379**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-07

Client ID: MLW-9I

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 13:00

Date Received: 08/17/20

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 08/20/20 12:21

Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Ethene	ND		ug/l	0.500	0.500	1	A

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-08

Date Collected: 08/14/20 00:00

Client ID: TRIP BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)

Analytical Method: 1,8260C

Analytical Date: 08/18/20 09:53

Analyst: PD

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

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-08

Date Collected: 08/14/20 00:00

Client ID: TRIP BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-08

Date Collected: 08/14/20 00:00

Client ID: TRIP BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-08

Date Collected: 08/14/20 00:00

Client ID: TRIP BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)

Analytical Method: 117,-

Analytical Date: 08/20/20 08:09

Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Ethene	ND		ug/l	0.500	0.500	1	A

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-09

Date Collected: 08/14/20 14:00

Client ID: EFFLUENT

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/18/20 12:24

Analyst: PD

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

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-09

Date Collected: 08/14/20 14:00

Client ID: EFFLUENT

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

## SAMPLE RESULTS

Lab ID: L2033379-09

Date Collected: 08/14/20 14:00

Client ID: EFFLUENT

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

**Project Name:** MELODY**Project Number:** 09406**Lab Number:** L2033379**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-09

Client ID: EFFLUENT

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 14:00

Date Received: 08/17/20

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 117,-

Analytical Date: 08/20/20 12:38

Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Dissolved Gases by GC - Mansfield Lab							
Ethene	ND		ug/l	0.500	0.500	1	A

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 08/18/20 09:11  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1400080-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: MELODY

Lab Number: L2033379

Project Number: 09406

Report Date: 08/21/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 08/18/20 09:11  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1400080-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70



Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 08/18/20 09:11  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1400080-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 117,-  
Analytical Date: 08/20/20 07:27  
Analyst: AW

Parameter	Result	Qualifier	Units	RL	MDL	
Dissolved Gases by GC - Mansfield Lab for sample(s): 01-09 Batch: WG1400870-3						
Ethene	ND		ug/l	0.500	0.500	A

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1400080-3 WG1400080-4								
Methylene chloride	91		94		70-130	3		20
1,1-Dichloroethane	93		97		70-130	4		20
Chloroform	85		90		70-130	6		20
Carbon tetrachloride	74		84		63-132	13		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	81		85		63-130	5		20
1,1,2-Trichloroethane	89		92		70-130	3		20
Tetrachloroethene	87		90		70-130	3		20
Chlorobenzene	88		92		75-130	4		20
Trichlorofluoromethane	60	Q	64		62-150	6		20
1,2-Dichloroethane	79		81		70-130	3		20
1,1,1-Trichloroethane	77		81		67-130	5		20
Bromodichloromethane	84		84		67-130	0		20
trans-1,3-Dichloropropene	87		93		70-130	7		20
cis-1,3-Dichloropropene	87		94		70-130	8		20
1,1-Dichloropropene	87		95		70-130	9		20
Bromoform	83		89		54-136	7		20
1,1,2,2-Tetrachloroethane	87		93		67-130	7		20
Benzene	94		96		70-130	2		20
Toluene	92		94		70-130	2		20
Ethylbenzene	91		94		70-130	3		20
Chloromethane	94		96		64-130	2		20
Bromomethane	60		64		39-139	6		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1400080-3 WG1400080-4								
Vinyl chloride	84		86		55-140	2		20
Chloroethane	57		56		55-138	2		20
1,1-Dichloroethene	86		89		61-145	3		20
trans-1,2-Dichloroethene	90		92		70-130	2		20
Trichloroethene	89		91		70-130	2		20
1,2-Dichlorobenzene	92		96		70-130	4		20
1,3-Dichlorobenzene	91		95		70-130	4		20
1,4-Dichlorobenzene	91		94		70-130	3		20
Methyl tert butyl ether	85		87		63-130	2		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	97		95		70-130	2		20
Dibromomethane	83		84		70-130	1		20
1,2,3-Trichloropropane	90		99		64-130	10		20
Acrylonitrile	96		100		70-130	4		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	65		68		36-147	5		20
Acetone	100		100		58-148	0		20
Carbon disulfide	86		87		51-130	1		20
2-Butanone	96		100		63-138	4		20
Vinyl acetate	86		89		70-130	3		20
4-Methyl-2-pentanone	89		97		59-130	9		20
2-Hexanone	91		98		57-130	7		20

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1400080-3 WG1400080-4								
Bromochloromethane	87		89		70-130	2		20
2,2-Dichloropropane	82		87		63-133	6		20
1,2-Dibromoethane	85		91		70-130	7		20
1,3-Dichloropropane	94		99		70-130	5		20
1,1,1,2-Tetrachloroethane	84		90		64-130	7		20
Bromobenzene	96		97		70-130	1		20
n-Butylbenzene	90		96		53-136	6		20
sec-Butylbenzene	91		98		70-130	7		20
tert-Butylbenzene	79		85		70-130	7		20
o-Chlorotoluene	93		97		70-130	4		20
p-Chlorotoluene	96		100		70-130	4		20
1,2-Dibromo-3-chloropropane	70		80		41-144	13		20
Hexachlorobutadiene	87		92		63-130	6		20
Isopropylbenzene	94		99		70-130	5		20
p-Isopropyltoluene	90		97		70-130	7		20
Naphthalene	82		93		70-130	13		20
n-Propylbenzene	91		97		69-130	6		20
1,2,3-Trichlorobenzene	88		94		70-130	7		20
1,2,4-Trichlorobenzene	93		98		70-130	5		20
1,3,5-Trimethylbenzene	94		97		64-130	3		20
1,2,4-Trimethylbenzene	94		99		70-130	5		20
1,4-Dioxane	76		88		56-162	15		20
p-Diethylbenzene	90		96		70-130	6		20

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1400080-3 WG1400080-4								
p-Ethyltoluene	94		99		70-130	5		20
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		20
Ethyl ether	92		95		59-134	3		20
trans-1,4-Dichloro-2-butene	80		79		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		82		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	107		108		70-130
Dibromofluoromethane	91		92		70-130

**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** MELODY**Project Number:** 09406**Lab Number:** L2033379**Report Date:** 08/21/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>	<b>Column</b>
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 01-09 Batch: WG1400870-2									
Ethene	98		-		80-120	-		25	A

# Matrix Spike Analysis

## Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

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): 01-09 QC Batch ID: WG1400080-6 WG1400080-7 QC Sample: L2033379-02 Client ID: IW-3D												
Methylene chloride	ND	25	25	100		25	100		70-130	0		20
1,1-Dichloroethane	ND	25	26	104		27	108		70-130	4		20
Chloroform	ND	25	23	92		24	96		70-130	4		20
Carbon tetrachloride	ND	25	24	96		26	104		63-132	8		20
1,2-Dichloropropane	ND	25	27	108		29	116		70-130	7		20
Dibromochloromethane	ND	25	22	88		24	96		63-130	9		20
1,1,2-Trichloroethane	ND	25	24	96		25	100		70-130	4		20
Tetrachloroethene	320	25	320	0	Q	340	80		70-130	6		20
Chlorobenzene	ND	25	23	92		26	104		75-130	12		20
Trichlorofluoromethane	ND	25	18	72		20	80		62-150	11		20
1,2-Dichloroethane	ND	25	22	88		23	92		70-130	4		20
1,1,1-Trichloroethane	ND	25	22	88		24	96		67-130	9		20
Bromodichloromethane	ND	25	22	88		24	96		67-130	9		20
trans-1,3-Dichloropropene	ND	25	24	96		24	96		70-130	0		20
cis-1,3-Dichloropropene	ND	25	22	88		24	96		70-130	9		20
1,1-Dichloropropene	ND	25	26	104		26	104		70-130	0		20
Bromoform	ND	25	23	92		25	100		54-136	8		20
1,1,2,2-Tetrachloroethane	ND	25	23	92		25	100		67-130	8		20
Benzene	ND	25	25	100		27	108		70-130	8		20
Toluene	ND	25	24	96		26	104		70-130	8		20
Ethylbenzene	ND	25	24	96		26	104		70-130	8		20
Chloromethane	ND	25	40	160	Q	41	164	Q	64-130	2		20
Bromomethane	ND	25	8.6	34	Q	11	44		39-139	24	Q	20



# Matrix Spike Analysis

## Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

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): 01-09 QC Batch ID: WG1400080-6 WG1400080-7 QC Sample: L2033379-02 Client ID: IW-3D												
Vinyl chloride	ND	25	24	96		26	104		55-140	8		20
Chloroethane	ND	25	13	52	Q	14	56		55-138	7		20
1,1-Dichloroethene	ND	25	24	96		26	104		61-145	8		20
trans-1,2-Dichloroethene	ND	25	24	96		25	100		70-130	4		20
Trichloroethene	ND	25	24	96		26	104		70-130	8		20
1,2-Dichlorobenzene	ND	25	23	92		25	100		70-130	8		20
1,3-Dichlorobenzene	ND	25	23	92		25	100		70-130	8		20
1,4-Dichlorobenzene	ND	25	23	92		25	100		70-130	8		20
Methyl tert butyl ether	ND	25	22	88		24	96		63-130	9		20
p/m-Xylene	ND	50	47	94		51	102		70-130	8		20
o-Xylene	ND	50	47	94		52	104		70-130	10		20
cis-1,2-Dichloroethene	ND	25	24	96		26	104		70-130	8		20
Dibromomethane	ND	25	22	88		23	92		70-130	4		20
1,2,3-Trichloropropane	ND	25	24	96		26	104		64-130	8		20
Acrylonitrile	ND	25	25	100		28	112		70-130	11		20
Styrene	ND	50	46	92		51	102		70-130	10		20
Dichlorodifluoromethane	ND	25	19	76		20	80		36-147	5		20
Acetone	9.6J	25	40	160	Q	42	168	Q	58-148	5		20
Carbon disulfide	ND	25	24	96		26	104		51-130	8		20
2-Butanone	ND	25	30	120		31	124		63-138	3		20
Vinyl acetate	ND	25	23	92		24	96		70-130	4		20
4-Methyl-2-pentanone	ND	25	26	104		28	112		59-130	7		20
2-Hexanone	ND	25	26	104		27	108		57-130	4		20

# Matrix Spike Analysis

## Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

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): 01-09 QC Batch ID: WG1400080-6 WG1400080-7 QC Sample: L2033379-02 Client ID: IW-3D												
Bromochloromethane	ND	25	22	88		24	96		70-130	9		20
2,2-Dichloropropane	ND	25	20	80		21	84		63-133	5		20
1,2-Dibromoethane	ND	25	23	92		24	96		70-130	4		20
1,3-Dichloropropane	ND	25	26	104		27	108		70-130	4		20
1,1,1,2-Tetrachloroethane	ND	25	23	92		24	96		64-130	4		20
Bromobenzene	ND	25	24	96		26	104		70-130	8		20
n-Butylbenzene	ND	25	23	92		25	100		53-136	8		20
sec-Butylbenzene	ND	25	25	100		27	108		70-130	8		20
tert-Butylbenzene	ND	25	21	84		23	92		70-130	9		20
o-Chlorotoluene	ND	25	24	96		26	104		70-130	8		20
p-Chlorotoluene	ND	25	24	96		26	104		70-130	8		20
1,2-Dibromo-3-chloropropane	ND	25	23	92		24	96		41-144	4		20
Hexachlorobutadiene	ND	25	24	96		26	104		63-130	8		20
Isopropylbenzene	ND	25	25	100		26	104		70-130	4		20
p-Isopropyltoluene	ND	25	24	96		26	104		70-130	8		20
Naphthalene	ND	25	21	84		23	92		70-130	9		20
n-Propylbenzene	ND	25	24	96		26	104		69-130	8		20
1,2,3-Trichlorobenzene	ND	25	23	92		25	100		70-130	8		20
1,2,4-Trichlorobenzene	ND	25	24	96		25	100		70-130	4		20
1,3,5-Trimethylbenzene	ND	25	24	96		26	104		64-130	8		20
1,2,4-Trimethylbenzene	ND	25	24	96		26	104		70-130	8		20
1,4-Dioxane	ND	1250	1100	88		1200	96		56-162	9		20
p-Diethylbenzene	ND	25	23	92		25	100		70-130	8		20

**Matrix Spike Analysis****Batch Quality Control****Project Name:** MELODY**Project Number:** 09406**Lab Number:** L2033379**Report Date:** 08/21/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1400080-6 WG1400080-7 QC Sample: L2033379-02 Client ID: IW-3D												
p-Ethyltoluene	ND	25	24	96		26	104		70-130	8		20
1,2,4,5-Tetramethylbenzene	ND	25	23	92		25	100		70-130	8		20
Ethyl ether	ND	25	23	92		25	100		59-134	8		20
trans-1,4-Dichloro-2-butene	ND	25	21	84		20	80		70-130	5		20

<b>Surrogate</b>	<b>MS % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	87		85		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	92		95		70-130
Toluene-d8	99		98		70-130

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>	<b>Column</b>
Dissolved Gases by GC - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1400870-4 WG1400870-5 QC Sample: L2033379-02 Client ID: IW-3D													
Ethene	ND	95.5	88.7	93		90.2	94		80-120	2		25	A

# SEMIVOLATILES

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-01

Date Collected: 08/14/20 09:30

Client ID: FIELD BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 08/18/20 07:45

Analytical Date: 08/19/20 14:24

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	32			15-110		

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-02

Date Collected: 08/14/20 11:00

Client ID: IW-3D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 08/18/20 07:45

Analytical Date: 08/19/20 14:47

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	134	30.3	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	41			15-110		

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-03

Date Collected: 08/14/20 10:15

Client ID: MLW-1IS

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 08/18/20 07:45

Analytical Date: 08/19/20 15:56

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	83.5	J	ng/l	134	30.3	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	29			15-110		

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-04

Date Collected: 08/14/20 00:00

Client ID: DUP-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 08/18/20 07:45

Analytical Date: 08/19/20 16:19

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			27		15-110	



**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-05

Date Collected: 08/14/20 11:45

Client ID: SW-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 08/18/20 07:45

Analytical Date: 08/19/20 16:42

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	34			15-110		

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-06

Date Collected: 08/14/20 12:30

Client ID: MLW-8D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 08/18/20 07:45

Analytical Date: 08/19/20 17:05

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	138.	J	ng/l	144	32.6	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	40			15-110		

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-07

Date Collected: 08/14/20 13:00

Client ID: MLW-9I

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 08/18/20 07:45

Analytical Date: 08/19/20 17:27

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	322.		ng/l	139	31.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	40			15-110		

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**SAMPLE RESULTS**

Lab ID: L2033379-09

Date Collected: 08/14/20 14:00

Client ID: EFFLUENT

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 08/18/20 07:45

Analytical Date: 08/19/20 17:50

Analyst: PS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,4-Dioxane-d8	38			15-110		

Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 08/19/20 10:55  
 Analyst: PS

Extraction Method: EPA 3510C  
 Extraction Date: 08/18/20 07:45

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-07,09 Batch: WG1399878-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	47		15-110

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033379

Report Date: 08/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-07,09 Batch: WG1399878-2 WG1399878-3								
1,4-Dioxane	108		112		40-140	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	38		44		15-110

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** MELODY

**Project Number:** 09406

**Lab Number:** L2033379

**Report Date:** 08/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab IW-3D Associated sample(s): 01-07,09 QC Batch ID: WG1399878-4 WG1399878-5 QC Sample: L2033379-02 Client ID:												
1,4-Dioxane	ND	4810	5480	114		5260	109		40-140	4		30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	40		39		15-110

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

Cooler	Custody Seal
A	Absent
B	Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2033379-01A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-01B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-01C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-01D	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-01E	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-01F	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-01G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-02A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-02A1	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-02A2	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-02B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-02B1	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-02B2	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-02C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-02C1	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-02C2	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-02D	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-02D1	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-02D2	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-02E	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-02E1	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-02E2	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)



**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2033379-02F	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-02F1	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-02F2	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-02G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-02G1	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-02G2	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-03A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-03B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-03C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-03D	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-03E	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-03F	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-03G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-04A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-04B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-04C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-04D	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-04E	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-04F	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-04G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-05A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-05B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-05C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-05D	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-05E	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-05F	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-05G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-06A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)

**Project Name:** MELODY  
**Project Number:** 09406

**Serial\_No:**08212011:13  
**Lab Number:** L2033379  
**Report Date:** 08/21/20

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2033379-06B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-06C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-06D	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-06E	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-06F	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-06G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-07A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-07B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-07C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-07D	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-07E	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-07F	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-07G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-08A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-08B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-08C	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-08D	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-09A	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-09B	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-09C	Vial HCl preserved	B	NA		2.3	Y	Absent		NYTCL-8260(14)
L2033379-09D	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-09E	20ml Vial HCl preserved	B	NA		2.3	Y	Absent		DISSGAS(14)
L2033379-09F	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2033379-09G	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20

## 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.
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.

### Footnotes

*Report Format: DU Report with 'J' Qualifiers*

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20

- 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, Dibenzo(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. 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.
- 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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20**Data Qualifiers**

- 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.

*Report Format: DU Report with 'J' Qualifiers*

**Project Name:** MELODY**Lab Number:** L2033379**Project Number:** 09406**Report Date:** 08/21/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 117 Technical Guidance for the Natural Attenuation Indicators: Methane, Ethane, and Ethene, EPA-NE, Revision 1, February 21, 2002 and Sample Preparation & Calculations for Dissolved Gas Analysis in Water Samples using a GC Headspace Equilibration Technique, EPA RSKSOP-175, Revision 2, May 2004.

## LIMITATION OF LIABILITIES

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

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



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

Page 1 of 1

**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 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**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.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****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.****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.



**CHAIN OF CUSTODY**

IMPACT ENVIRONMENTAL

170 Keyland Court, Bohemia, New York 11716  
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

 ICL ☒ ISW ☐  
 IEC ☐ SGC ☐  
 IM ☐


LAB NAME: Alpha

L2033379

RECEIVED DATE:

08/17/20

Client Information				Project Information				Analytical Information										Matrix Codes						
Company Name Impact Environmental				Project Name Melody				Impact Analytical Package A* Impact Analytical Package B** Impact Analytical Package C*** VOC 8260 (Analyte List for NY Part 375 and NJ NRDC) GP82 Analysis VOCs 8260 (CP51 Analyte List) Ethene 1,4 Dioxane										L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved Sample Type G - Grab C - Composite B - Blank						
Address 170 Keyland Court				Street 2050 Hempstead Turnpike																				
City Bohemia		State NY		Zip 11716		City East Meadow														State NY		Zip		
Project Contact Leif Robertson				Project # 09406																				
Phone # 631-269-8800				Fax # 631-269-1599																				
E-mail lrobertson@impactenvironmental.com				Sampler's Name Leif Robertson																				
E-mail lrobertson@impactenvironmental.com				Sampler's Signature																				
Sample Information				Sample Collection				Sample Containers										(LAB USE ONLY)						
								Number of Each Preserved Bottle																
LAB SAMPLE #	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	None or Other	ICE	HCL	Methanol (USEPA 503)	Sodium Bisulfite (EPA 8005)	Impact Analytical Package A*		Impact Analytical Package B**		Impact Analytical Package C***		VOC 8260 (Analyte List for NY Part 375 and NJ NRDC)	GP82 Analysis	VOCs 8260 (CP51 Analyte List)	Ethene	1,4 Dioxane	
1	Field Blank	09406	GW	G	8/14	930	7		X	X									X			X	X	
2	IW-3D	09406	GW	G	8/14	1100	21		X	X									X			X	X	
3	MLW-1IS	09406	GW	G	8/14	1015	17		X	X									X			X	X	
4	Dup-1	09406	GW	G	8/14	-	7		X	X									X			X	X	
5	SW-1	09406	GW	G	8/14	1145	7		X	X									X			X	X	
6	MLW-8D	09406	GW	G	8/14	1230	7		X	X									X			X	X	
7	MLW-9I	09406	GW	G	8/14	1300	7		X	X									X			X	X	
8	Tri-Blank	09406	GW	G	8/14	-	5		X	X									X			X		
9	Effluent	09406	GW	G	8/14	1400	7		X	X									X			X	X	
10																								
Turnaround Time (Business Days)				Data Deliverable Information										REFERENCES										
Standard Service				(LAB USE ONLY)										*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSR & NY Part 375 parameters and detection limits. **Package B (proprietary) - Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary) - Same as Package B plus RCRA characteristics and Full TCLP NOTES/COMMENTS: x sample IW-3D MS/MSO sample										
<input type="checkbox"/> Standard - 5 day <input type="checkbox"/> Standard - 4 day <input checked="" type="checkbox"/> Standard - 3 day				TAT Approved By / Date: <input type="checkbox"/> Results Only (Level-1) <input type="checkbox"/> Results plus Misc. QC (Level-2) <input type="checkbox"/> Results plus ALL QC (Level-3) <input type="checkbox"/> PA QC Package <input type="checkbox"/> NJ QC Package (Level 3NJ) (EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)																				
Rush Service																								
<input type="checkbox"/> 48 Hour RUSH <input type="checkbox"/> 24 Hour RUSH																								
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.																								
Relinquished By Sampler:				Date / Time:				Received By:				Date / Time:				Received By:								
1 [Signature]				18/17/20 1130				1 [Signature] MGR				2 [Signature]				2 [Signature]								
Relinquished by:				Date / Time:				Received By:				Date / Time:				Received By:								
3 [Signature] MGR				8/17/20 1700				3 [Signature] MGR				4 [Signature] MGR				4 8/17/20 2000								
Relinquished by:				Date / Time:				Received By:				Date / Time:				Received By:								
5 [Signature]				8/17 2200				5 [Signature]																
COOLER INFORMATION																								
Cooler Temp: _____ pH: _____ <input type="checkbox"/> On Ice <input type="checkbox"/> Sample Receipt Discrepancy (attach information)																								

Form SS-2/Nov. 2013





## ANALYTICAL REPORT

Lab Number:	L2033378
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Lief Robertson
Phone:	(631) 269-8800
Project Name:	MELODY
Project Number:	09406
Report Date:	08/28/20

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

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

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



**Project Name:** MELODY  
**Project Number:** 09406

**Lab Number:** L2033378  
**Report Date:** 08/28/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2033378-01	FIELD BLANK	FIELD BLANK	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 09:30	08/17/20
L2033378-02	IW-3D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 11:00	08/17/20
L2033378-03	MLW-1IS	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 10:15	08/17/20
L2033378-04	DUP-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 00:00	08/17/20
L2033378-05	SW-1	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 11:45	08/17/20
L2033378-06	MLW-8D	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 12:30	08/17/20
L2033378-07	MLW-9I	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 13:00	08/17/20
L2033378-08	EFFLUENT	WATER	2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY	08/14/20 14:00	08/17/20

**Project Name:** MELODY  
**Project Number:** 09406

**Lab Number:** L2033378  
**Report Date:** 08/28/20

### 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.

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**Project Name:** MELODY  
**Project Number:** 09406

**Lab Number:** L2033378  
**Report Date:** 08/28/20

### 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.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2033378-03, -04, -06, -07, and -08: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

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:



Alycia Mogayzel

Title: Technical Director/Representative

Date: 08/28/20

# ORGANICS

# SEMIVOLATILES

**Project Name:** MELODY**Lab Number:** L2033378**Project Number:** 09406**Report Date:** 08/28/20**SAMPLE RESULTS**

Lab ID: L2033378-01  
 Client ID: FIELD BLANK  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 09:30  
 Date Received: 08/17/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 08/23/20 20:17  
 Analyst: SG

Extraction Method: ALPHA 23528  
 Extraction Date: 08/21/20 11:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.86	0.380	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.86	0.369	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.86	0.222	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.86	0.305	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.86	0.210	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.86	0.350	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.86	0.220	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.86	1.24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.86	0.641	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.86	0.290	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.86	0.469	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.86	0.283	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	1.13	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.86	0.603	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.86	0.242	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.912	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.86	0.540	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.86	0.749	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.86	0.346	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.86	0.305	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.86	0.231	1
PFOA/PFOS, Total	ND		ng/l	1.86	0.220	1

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-01

Date Collected: 08/14/20 09:30

Client ID: FIELD BLANK

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	75		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	70		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	82		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	72		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	73		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	58		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	32		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		33-143



Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-02

Date Collected: 08/14/20 11:00

Client ID: IW-3D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: ALPHA 23528

Analytical Method: 134,LCMSMS-ID

Extraction Date: 08/21/20 11:57

Analytical Date: 08/23/20 20:33

Analyst: SG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	1.35	J	ng/l	1.74	0.355	1
Perfluoropentanoic Acid (PFPeA)	1.27	J	ng/l	1.74	0.344	1
Perfluorobutanesulfonic Acid (PFBS)	0.866	J	ng/l	1.74	0.207	1
Perfluorohexanoic Acid (PFHxA)	1.52	J	ng/l	1.74	0.285	1
Perfluoroheptanoic Acid (PFHpA)	1.12	J	ng/l	1.74	0.196	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.74	0.327	1
Perfluorooctanoic Acid (PFOA)	1.50	J	ng/l	1.74	0.205	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.74	1.16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.74	0.598	1
Perfluorononanoic Acid (PFNA)	0.602	J	ng/l	1.74	0.271	1
Perfluorooctanesulfonic Acid (PFOS)	1.70	J	ng/l	1.74	0.438	1
Perfluorodecanoic Acid (PFDA)	0.557	J	ng/l	1.74	0.264	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.74	1.05	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.74	0.564	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.74	0.226	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.74	0.852	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.74	0.504	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.74	0.699	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.74	0.324	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.74	0.284	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.74	0.216	1
PFOA/PFOS, Total	3.20	J	ng/l	1.74	0.205	1

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-02

Date Collected: 08/14/20 11:00

Client ID: IW-3D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	68		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	69		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	76		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	73		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	72		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	72		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		33-143

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-03 RE  
 Client ID: MLW-1IS  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 10:15  
 Date Received: 08/17/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 08/27/20 19:15  
 Analyst: RS

Extraction Method: ALPHA 23528  
 Extraction Date: 08/26/20 17:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.46		ng/l	1.73	0.354	1
Perfluoropentanoic Acid (PFPeA)	15.2		ng/l	1.73	0.343	1
Perfluorobutanesulfonic Acid (PFBS)	6.00		ng/l	1.73	0.206	1
Perfluorohexanoic Acid (PFHxA)	13.9		ng/l	1.73	0.284	1
Perfluoroheptanoic Acid (PFHpA)	7.07		ng/l	1.73	0.195	1
Perfluorohexanesulfonic Acid (PFHxS)	3.48		ng/l	1.73	0.326	1
Perfluorooctanoic Acid (PFOA)	21.8		ng/l	1.73	0.205	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.73	1.16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.73	0.597	1
Perfluorononanoic Acid (PFNA)	3.09		ng/l	1.73	0.270	1
Perfluorooctanesulfonic Acid (PFOS)	24.9		ng/l	1.73	0.437	1
Perfluorodecanoic Acid (PFDA)	0.916	J	ng/l	1.73	0.264	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.73	1.05	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.73	0.562	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.73	0.225	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.73	0.850	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.73	0.503	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.73	0.697	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.73	0.322	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.73	0.284	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.73	0.215	1
PFOA/PFOS, Total	46.7		ng/l	1.73	0.205	1

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-03 RE

Date Collected: 08/14/20 10:15

Client ID: MLW-1IS

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	59		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	68		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	55		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	60		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	78		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	63		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	76		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	59		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	35		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	57		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	39		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	60		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		33-143

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-04 RE  
 Client ID: DUP-1  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 00:00  
 Date Received: 08/17/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 08/27/20 19:32  
 Analyst: RS

Extraction Method: ALPHA 23528  
 Extraction Date: 08/26/20 17:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.50		ng/l	1.86	0.380	1
Perfluoropentanoic Acid (PFPeA)	15.2		ng/l	1.86	0.368	1
Perfluorobutanesulfonic Acid (PFBS)	5.82		ng/l	1.86	0.221	1
Perfluorohexanoic Acid (PFHxA)	14.4		ng/l	1.86	0.305	1
Perfluoroheptanoic Acid (PFHpA)	7.02		ng/l	1.86	0.209	1
Perfluorohexanesulfonic Acid (PFHxS)	3.38		ng/l	1.86	0.350	1
Perfluorooctanoic Acid (PFOA)	21.8		ng/l	1.86	0.220	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.86	1.24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.86	0.640	1
Perfluorononanoic Acid (PFNA)	2.92		ng/l	1.86	0.290	1
Perfluorooctanesulfonic Acid (PFOS)	24.5		ng/l	1.86	0.469	1
Perfluorodecanoic Acid (PFDA)	0.815	J	ng/l	1.86	0.283	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	1.13	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.86	0.603	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.86	0.242	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.912	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.86	0.540	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.86	0.748	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.86	0.346	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.86	0.304	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.86	0.231	1
PFOA/PFOS, Total	46.3		ng/l	1.86	0.220	1

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-04 RE

Date Collected: 08/14/20 00:00

Client ID: DUP-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	61		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	81		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	59		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	62		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	63		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	77		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	62		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	34		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	57		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	52		33-143

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-05

Date Collected: 08/14/20 11:45

Client ID: SW-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: ALPHA 23528

Analytical Method: 134,LCMSMS-ID

Extraction Date: 08/21/20 11:57

Analytical Date: 08/23/20 22:13

Analyst: SG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.79	0.365	1
Perfluoropentanoic Acid (PFPeA)	7.07		ng/l	1.79	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	2.79		ng/l	1.79	0.213	1
Perfluorohexanoic Acid (PFHxA)	7.94		ng/l	1.79	0.294	1
Perfluoroheptanoic Acid (PFHpA)	2.69		ng/l	1.79	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.79	0.336	1
Perfluorooctanoic Acid (PFOA)	3.36		ng/l	1.79	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.80	F	ng/l	1.79	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.79	0.616	1
Perfluorononanoic Acid (PFNA)	1.24	J	ng/l	1.79	0.279	1
Perfluorooctanesulfonic Acid (PFOS)	3.27		ng/l	1.79	0.451	1
Perfluorodecanoic Acid (PFDA)	1.18	J	ng/l	1.79	0.272	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.580	1
Perfluoroundecanoic Acid (PFUnA)	0.272	JF	ng/l	1.79	0.233	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.877	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	0.519	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	0.720	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.333	1
Perfluorotridecanoic Acid (PFTrDA)	0.451	J	ng/l	1.79	0.293	1
Perfluorotetradecanoic Acid (PFTA)	0.555	J	ng/l	1.79	0.222	1
PFOA/PFOS, Total	6.63		ng/l	1.79	0.211	1

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-05

Date Collected: 08/14/20 11:45

Client ID: SW-1

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	66		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	45		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	69		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	55		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	55		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	70		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	70		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	120		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	67		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	66		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	149		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	68		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		33-143



Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-06 RE  
 Client ID: MLW-8D  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 12:30  
 Date Received: 08/17/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 08/27/20 19:48  
 Analyst: RS

Extraction Method: ALPHA 23528  
 Extraction Date: 08/26/20 17:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.658	J	ng/l	1.76	0.359	1
Perfluoropentanoic Acid (PFPeA)	1.46	J	ng/l	1.76	0.348	1
Perfluorobutanesulfonic Acid (PFBS)	0.387	J	ng/l	1.76	0.209	1
Perfluorohexanoic Acid (PFHxA)	1.36	J	ng/l	1.76	0.288	1
Perfluoroheptanoic Acid (PFHpA)	0.798	J	ng/l	1.76	0.198	1
Perfluorohexanesulfonic Acid (PFHxS)	0.534	J	ng/l	1.76	0.330	1
Perfluorooctanoic Acid (PFOA)	2.40		ng/l	1.76	0.207	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.76	1.17	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.76	0.605	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.76	0.274	1
Perfluorooctanesulfonic Acid (PFOS)	2.52		ng/l	1.76	0.443	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.76	0.267	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.76	1.06	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.76	0.570	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.76	0.228	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.76	0.862	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.76	0.510	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.76	0.707	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.76	0.327	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.76	0.288	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.76	0.218	1
PFOA/PFOS, Total	4.92		ng/l	1.76	0.207	1

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-06 RE

Date Collected: 08/14/20 12:30

Client ID: MLW-8D

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	62		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	60		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	63		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	70		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	63		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	72		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	71		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	75		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	61		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	64		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	43		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	60		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	25		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	44		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	62		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		33-143

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-07 RE  
 Client ID: MLW-9I  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 13:00  
 Date Received: 08/17/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 08/27/20 20:05  
 Analyst: RS

Extraction Method: ALPHA 23528  
 Extraction Date: 08/26/20 17:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.95		ng/l	1.75	0.357	1
Perfluoropentanoic Acid (PFPeA)	5.11		ng/l	1.75	0.346	1
Perfluorobutanesulfonic Acid (PFBS)	2.06		ng/l	1.75	0.208	1
Perfluorohexanoic Acid (PFHxA)	4.22		ng/l	1.75	0.287	1
Perfluoroheptanoic Acid (PFHpA)	2.89		ng/l	1.75	0.197	1
Perfluorohexanesulfonic Acid (PFHxS)	2.71		ng/l	1.75	0.329	1
Perfluorooctanoic Acid (PFOA)	8.25		ng/l	1.75	0.206	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.75	1.16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.75	0.601	1
Perfluorononanoic Acid (PFNA)	0.916	J	ng/l	1.75	0.273	1
Perfluorooctanesulfonic Acid (PFOS)	10.5		ng/l	1.75	0.440	1
Perfluorodecanoic Acid (PFDA)	0.451	J	ng/l	1.75	0.266	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.75	1.06	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.75	0.566	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.75	0.227	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.75	0.857	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.75	0.507	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.75	0.703	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.75	0.325	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.75	0.286	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.75	0.217	1
PFOA/PFOS, Total	18.8		ng/l	1.75	0.206	1

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-07 RE

Date Collected: 08/14/20 13:00

Client ID: MLW-9I

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	58		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	56		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	59		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	70		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	61		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	69		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	79		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	60		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	61		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	39		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	58		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	59		33-143

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-08 RE  
 Client ID: EFFLUENT  
 Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Date Collected: 08/14/20 14:00  
 Date Received: 08/17/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 08/27/20 20:21  
 Analyst: RS

Extraction Method: ALPHA 23528  
 Extraction Date: 08/26/20 17:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.72	0.350	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.72	0.340	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.72	0.204	1
Perfluorohexanoic Acid (PFHxA)	0.405	J	ng/l	1.72	0.282	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.72	0.193	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.72	0.323	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.72	0.202	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.72	1.14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.72	0.590	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.72	0.268	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.72	0.433	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.72	0.261	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.72	1.04	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.72	0.556	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.72	0.223	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.72	0.841	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.72	0.498	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.72	0.690	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.72	0.319	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.72	0.281	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.72	0.213	1
PFOA/PFOS, Total	ND		ng/l	1.72	0.202	1

Project Name: MELODY

Lab Number: L2033378

Project Number: 09406

Report Date: 08/28/20

## SAMPLE RESULTS

Lab ID: L2033378-08 RE

Date Collected: 08/14/20 14:00

Client ID: EFFLUENT

Date Received: 08/17/20

Sample Location: 2050 HEMPSTEAD TURNPIKE, EAST MEADOW, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	59		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	78		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	60		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	62		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	65		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	55		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	75		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	80		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	70		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	69		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	74		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		33-143

Project Name: MELODY

Project Number: 09406

Lab Number: L2033378

Report Date: 08/28/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID

Analytical Date: 08/23/20 18:04

Analyst: SG

Extraction Method: ALPHA 23528

Extraction Date: 08/21/20 11:57

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02,05 Batch: WG1401448-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: MELODY

Project Number: 09406

Lab Number: L2033378

Report Date: 08/28/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID

Analytical Date: 08/23/20 18:04

Analyst: SG

Extraction Method: ALPHA 23528

Extraction Date: 08/21/20 11:57

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02,05 Batch: WG1401448-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	75		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	48		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	74		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	58		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	34		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		33-143



Project Name: MELODY

Project Number: 09406

Lab Number: L2033378

Report Date: 08/28/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID

Analytical Date: 08/27/20 18:26

Analyst: RS

Extraction Method: ALPHA 23528

Extraction Date: 08/26/20 17:12

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03-04,06-08 Batch: WG1403218-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.476	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	0.512	J	ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	0.524	J	ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: MELODY

Project Number: 09406

Lab Number: L2033378

Report Date: 08/28/20

### Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID

Analytical Date: 08/27/20 18:26

Analyst: RS

Extraction Method: ALPHA 23528

Extraction Date: 08/26/20 17:12

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03-04,06-08 Batch: WG1403218-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	78		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		33-143

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033378

Report Date: 08/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05 Batch: WG1401448-2 WG1401448-3								
Perfluorobutanoic Acid (PFBA)	106		103		67-148	3		30
Perfluoropentanoic Acid (PFPeA)	105		103		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	92		92		65-157	0		30
Perfluorohexanoic Acid (PFHxA)	111		105		69-168	6		30
Perfluoroheptanoic Acid (PFHpA)	105		105		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	88		84		69-177	5		30
Perfluorooctanoic Acid (PFOA)	99		99		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		106		49-187	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		94		61-179	5		30
Perfluorononanoic Acid (PFNA)	106		102		68-171	4		30
Perfluorooctanesulfonic Acid (PFOS)	94		93		52-151	1		30
Perfluorodecanoic Acid (PFDA)	111		105		63-171	6		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	95		99		56-173	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	99		107		60-166	8		30
Perfluoroundecanoic Acid (PFUnA)	104		102		60-153	2		30
Perfluorodecanesulfonic Acid (PFDS)	97		103		38-156	6		30
Perfluorooctanesulfonamide (FOSA)	108		104		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	106		104		45-170	2		30
Perfluorododecanoic Acid (PFDoA)	98		96		67-153	2		30
Perfluorotridecanoic Acid (PFTrDA)	106		101		48-158	5		30
Perfluorotetradecanoic Acid (PFTA)	109		105		59-182	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033378

Report Date: 08/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05 Batch: WG1401448-2 WG1401448-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		81		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	104		99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		76		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		80		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		80		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		83		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		80		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		56		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		86		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	77		76		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		81		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71		69		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		62		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		78		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		36		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		66		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		81		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		80		33-143

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033378

Report Date: 08/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03-04,06-08 Batch: WG1403218-2 WG1403218-3								
Perfluorobutanoic Acid (PFBA)	111		111		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	113		114		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	109		110		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	114		117		69-168	3		30
Perfluoroheptanoic Acid (PFHpA)	111		111		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	110		108		69-177	2		30
Perfluorooctanoic Acid (PFOA)	106		106		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		118		49-187	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		105		61-179	7		30
Perfluorononanoic Acid (PFNA)	112		114		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	107		108		52-151	1		30
Perfluorodecanoic Acid (PFDA)	122		117		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		96		56-173	21		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		111		60-166	5		30
Perfluoroundecanoic Acid (PFUnA)	117		115		60-153	2		30
Perfluorodecanesulfonic Acid (PFDS)	104		96		38-156	8		30
Perfluorooctanesulfonamide (FOSA)	113		109		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		113		45-170	14		30
Perfluorododecanoic Acid (PFDoA)	101		105		67-153	4		30
Perfluorotridecanoic Acid (PFTTrDA)	108		105		48-158	3		30
Perfluorotetradecanoic Acid (PFTA)	115		114		59-182	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033378

Report Date: 08/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03-04,06-08 Batch: WG1403218-2 WG1403218-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		79		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		85		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		78		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		80		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	79		84		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		82		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		73		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		90		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		86		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		76		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		90		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		64		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		81		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		44		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		65		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		82		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		72		33-143

# Matrix Spike Analysis

## Batch Quality Control

Project Name: MELODY

Project Number: 09406

Lab Number: L2033378

Report Date: 08/28/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05 QC Batch ID: WG1401448-4 WG1401448-5 QC Sample: L2033378-02 Client ID: IW-3D												
Perfluorobutanoic Acid (PFBA)	1.35J	36	38.2	102		36.5	102		67-148	5		30
Perfluoropentanoic Acid (PFPeA)	1.27J	36	37.2	100		36.3	101		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	0.866J	31.9	30.7	93		29.3	92		65-157	5		30
Perfluorohexanoic Acid (PFHxA)	1.52J	36	39.5	106		38.7	107		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	1.12J	36	39.0	105		36.8	103		58-159	6		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	32.9	28.8	88		28.8	91		69-177	0		30
Perfluorooctanoic Acid (PFOA)	1.50J	36	36.2	96		34.6	96		63-159	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	34.2	36.7	107		34.5	105		49-187	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	34.2	32.0	94		32.8	100		61-179	2		30
Perfluorononanoic Acid (PFNA)	0.602J	36	37.1	101		37.2	106		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	1.70J	33.4	34.0	97		32.1	95		52-151	6		30
Perfluorodecanoic Acid (PFDA)	0.557J	36	39.4	108		36.5	104		63-171	8		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	34.5	36.4	105		32.0	96		56-173	13		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36	37.7	105		33.7	97		60-166	11		30
Perfluoroundecanoic Acid (PFUnA)	ND	36	36.3	101		34.3	99		60-153	6		30
Perfluorodecanesulfonic Acid (PFDS)	ND	34.7	32.7	94		32.5	97		38-156	1		30
Perfluorooctanesulfonamide (FOSA)	ND	36	36.2F	101		34.0F	98		46-170	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	36	34.3	95		36.6	106		45-170	6		30
Perfluorododecanoic Acid (PFDoA)	ND	36	37.2	103		35.6	103		67-153	4		30
Perfluorotridecanoic Acid (PFTrDA)	ND	36	37.5	104		37.0	107		48-158	1		30
Perfluorotetradecanoic Acid (PFTA)	ND	36	37.7	105		37.6	109		59-182	0		30

**Matrix Spike Analysis****Batch Quality Control****Project Name:** MELODY**Project Number:** 09406**Lab Number:** L2033378**Report Date:** 08/28/20

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02,05 QC Batch ID: WG1401448-4 WG1401448-5 QC Sample: L2033378-02 Client ID: IW-3D												

<b>Surrogate (Extracted Internal Standard)</b>	<b>MS % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	109		122		7-170
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134		137		1-244
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		58		23-146
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		62		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	67		68		40-144
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	68		75		38-144
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	63		71		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	63		71		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	74		71		47-153
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		67		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		65		33-143
Perfluoro[13C4]Butanoic Acid (MPFBA)	70		79		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		80		16-173
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		19		1-87
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	73		74		42-146
Perfluoro[13C8]Octanoic Acid (M8PFOA)	71		80		36-149
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77		85		34-146
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		80		31-159



**Project Name:** MELODY**Lab Number:** L2033378**Project Number:** 09406**Report Date:** 08/28/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2033378-01A	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-02A	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-02A1	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-02A2	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-02B	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-02B1	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-02B2	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-03A	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-03B	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-04A	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-04B	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-05A	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-05B	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-06A	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-06B	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-07A	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-07B	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-08A	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2033378-08B	Plastic 250ml unpreserved	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)

**Project Name:** MELODY  
**Project Number:** 09406

Serial\_No:08282014:18  
**Lab Number:** L2033378  
**Report Date:** 08/28/20

### PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

**Project Name:** MELODY**Lab Number:** L2033378**Project Number:** 09406**Report Date:** 08/28/20

## 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.
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.

### Footnotes

*Report Format: DU Report with 'J' Qualifiers*

**Project Name:** MELODY**Lab Number:** L2033378**Project Number:** 09406**Report Date:** 08/28/20

- 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, Dibenzo(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. 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.
- 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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** MELODY**Lab Number:** L2033378**Project Number:** 09406**Report Date:** 08/28/20**Data Qualifiers**

- 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.

*Report Format: DU Report with 'J' Qualifiers*

**Project Name:** MELODY**Lab Number:** L2033378**Project Number:** 09406**Report Date:** 08/28/20

## REFERENCES

- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

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

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



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

Page 1 of 1

**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 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**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.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****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.****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.



**CHAIN OF CUSTODY**

IMPACT ENVIRONMENTAL

170 Keyland Court, Bohemia, New York 11716

(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

 ICL ☒ ISW ☐  
 IEC ☐ SGC ☐  
 IM ☐


LAB NAME:

Alpha L2033378

RECEIVED DATE:

08/17/20

Client Information				Project Information										Analytical Information										Matrix Codes	
Company Name Impact Environmental				Project Name Melody										Impact Analytical Package A* Impact Analytical Package B** Impact Analytical Package C*** VOC 8260 (Analyte List for NY Part 375 and NJ NRDC) GP82 Analysis VOCs 8260 (CP51 Analyte List) PFOS										L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW - Drinking Water DISS - Dissolved	
Address 170 Keyland Court				Street 2050 Hempstead Turnpike																					
City Bohemia		State NY		Zip 11716		City East Meadow		State NY		Zip															
Project Contact Leif Robertson				Project # 09406																					
Phone # 631-269-8800				Fax # 631-269-1599		Sampler's Name Leif Robertson																			
E-mail lrobertson@impactenvironmental.com				Sampler's Signature																					
Sample Information				Sample Collection				Sample Containers																Sample Type	
								Number of Each Preserved Bottle																	
(LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICI	HCL	Regional (USEPA 505)	Bodium Bicarbonate (EPA 5019)											(LAB USE ONLY)		
1	Field Blank	09406	GW	G	8/14	930	2		X																
2	IN-3D	09406	GW	G	8/14	1100	6		X																
3	MLW-ID	09406	GW	G	8/14	1015	2		X																
4	Dup-1	09406	GW	G	8/14	-	2		X																
5	SW-1	09406	GW	G	8/14	1145	2		X																
6	MLW-BD	09406	GW	G	8/14	1230	2		X																
7	MLW-9I	09406	GW	G	8/14	1300	2		X																
8	Effluent	09406	GW	G	8/14	1400	2		X																
9																									
10																									
Turnaround Time (Business Days)				Data Deliverable Information										REFERENCES											
Standard Service				(LAB USE ONLY)										*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSR & NY Part 375 parameters and detection limits. **Package B (proprietary)- Same as Package A, plus TCLP Metals & Category II EPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP											
<input type="checkbox"/> Standard - 5 day <input type="checkbox"/> Standard - 4 day <input checked="" type="checkbox"/> Standard - 3 day				<input type="checkbox"/> Results Only (Level-1) <input type="checkbox"/> Results plus Misc. QC (Level-2) <input type="checkbox"/> Results plus ALL QC (Level-3) <input type="checkbox"/> PA QC Package <input type="checkbox"/> NJ QC Package (Level3NJ) (EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)										<input type="checkbox"/> CLP Category A (Level-2) <input type="checkbox"/> CLP Category B (Level-4) <input type="checkbox"/> ASP QC Package (Level-4) <input type="checkbox"/> Other _____ <input type="checkbox"/> EDD Format _____											
Rush Service														NOTES/COMMENTS:											
<input type="checkbox"/> 48 Hour RUSH <input type="checkbox"/> 24 Hour RUSH														* sample IN-3D MS/MSD sample *											
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.																									
Relinquished By Sampler:				Date / Time:				Received By:				Date / Time:				Received By:									
1 [Signature]				18/17/20 1130				1 [Signature]				8-17-20 1445				2 [Signature]									
Relinquished by:				Date / Time:				Received By:				Date / Time:				Received By:									
3 [Signature]				8/17/20 1700				3 [Signature]				8/17/20 1700				4 [Signature]									
Relinquished by:				Date / Time:				Received By:				Date / Time:				Received By:									
5 [Signature]				8/17/20 1700				5 [Signature]				8/17/20 1700				5 [Signature]									
COOLER INFORMATION																									
Cooler Temp: _____ pH: _____ <input type="checkbox"/> On Ice <input type="checkbox"/> Sample Receipt Discrepancy(attach information)																									



Site No.: V00347-1 – Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York

## Appendix C

SVE Effluent Sampling Event Laboratory Analysis Reports



Tuesday, November 19, 2019

Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

Project ID: MELODY CLEANERS 09406-01  
SDG ID: GCE61652  
Sample ID#s: CE61652 - CE61653

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

November 19, 2019

SDG I.D.: GCE61652

---

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

November 19, 2019

SDG I.D.: GCE61652

Project ID: MELODY CLEANERS 09406-01

---

Client Id	Lab Id	Matrix
STACK EFFLUENT	CE61652	AIR
BLOWER EFFLUENT	CE61653	AIR



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

November 19, 2019

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

## Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#: 09406-01-0MM  
Canister Id: 19835

## Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

Date	Time
11/14/19	9:55
11/15/19	15:22

## Laboratory Data

SDG ID: GCE61652  
Phoenix ID: CE61652

Project ID: MELODY CLEANERS 09406-01  
Client ID: STACK EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b>Volatiles (TO15)</b>									
Cis-1,2-Dichloroethene	0.682	0.051	0.051	2.70	0.20	0.20	11/18/19	KCA	1
Tetrachloroethene	0.057	0.037	0.037	0.39	0.25	0.25	11/18/19	KCA	1
Trichloroethene	0.340	0.037	0.037	1.83	0.20	0.20	11/18/19	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	11/18/19	KCA	1
<b>QA/QC Surrogates/Internals</b>									
% Bromofluorobenzene	93	%	%	93	%	%	11/18/19	KCA	1
% IS-1,4-Difluorobenzene	92	%	%	92	%	%	11/18/19	KCA	1
% IS-Bromochloromethane	92	%	%	92	%	%	11/18/19	KCA	1
% IS-Chlorobenzene-d5	96	%	%	96	%	%	11/18/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

November 19, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

November 19, 2019

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

## Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#: 09406-01-0MM  
Canister Id: 19806

## Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

## Date

11/14/19 10:02  
11/15/19 15:22

## Time

## Laboratory Data

SDG ID: GCE61652  
Phoenix ID: CE61653

Project ID: MELODY CLEANERS 09406-01  
Client ID: BLOWER EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b>Volatiles (TO15)</b>									
Cis-1,2-Dichloroethene	1.86	0.051	0.051	7.37	0.20	0.20	11/18/19	KCA	1
Tetrachloroethene	17.3	0.037	0.037	117	0.25	0.25	11/18/19	KCA	1
Trichloroethene	4.95	0.037	0.037	26.6	0.20	0.20	11/18/19	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	11/18/19	KCA	1
<b>QA/QC Surrogates/Internals</b>									
% Bromofluorobenzene	104	%	%	104	%	%	11/18/19	KCA	1
% IS-1,4-Difluorobenzene	78	%	%	78	%	%	11/18/19	KCA	1
% IS-Bromochloromethane	90	%	%	90	%	%	11/18/19	KCA	1
% IS-Chlorobenzene-d5	84	%	%	84	%	%	11/18/19	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

November 19, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## QA/QC Report

November 19, 2019

### QA/QC Data


SDG I.D.: GCE61652

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 506697 (ppbv), QC Sample No: CE61650 (CE61652, CE61653)												
<u>Volatiles</u>												
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	105	3.67	3.65	0.926	0.920	0.7	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	99	24.1	23.8	3.56	3.51	1.4	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	103	78.9	79.5	14.7	14.8	0.7	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	87	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	90	%	90	%	103	104	103	104	103	NC	70 - 130	25
% IS-1,4-Difluorobenzene	120	%	120	%	72	70	69	70	69	NC	60 - 140	25
% IS-Bromochloromethane	145	%	145	%	66	91	89	91	89	NC	60 - 140	25 s
% IS-Chlorobenzene-d5	112	%	112	%	79	89	87	89	87	NC	60 - 140	25

s = This parameter is outside laboratory Blank Surrogate specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
November 19, 2019

Tuesday, November 19, 2019

Criteria: None

State: NY

## Sample Criteria Exceedances Report

### GCE61652 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.







Wednesday, February 05, 2020

Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

Project ID: MELODY CLEANERS (09406-01)  
SDG ID: GCF25142  
Sample ID#s: CF25142 - CF25143

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

February 05, 2020

SDG I.D.: GCF25142

---

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.  
Compounds that are detected above MDL but below RL are qualified with a J flag.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

February 05, 2020

SDG I.D.: GCF25142

Project ID: MELODY CLEANERS (09406-01)

---

Client Id	Lab Id	Matrix
BLOWER EFFLUENT	CF25142	AIR
STACK EFFLUENT	CF25143	AIR



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

February 05, 2020

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

### Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 12855

### Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

### Date

01/31/20  
02/03/20

### Time

11:05  
15:26

### Laboratory Data

SDG ID: GCF25142  
Phoenix ID: CF25142

Project ID: MELODY CLEANERS (09406-01)  
Client ID: BLOWER EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b>Volatiles (TO15)</b>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	02/04/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	02/04/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	02/04/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	02/04/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	02/04/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	02/04/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	02/04/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	02/04/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	02/04/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	02/04/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	02/04/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	02/04/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	02/04/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	02/04/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	02/04/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	02/04/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	02/04/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	02/04/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	02/04/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	02/04/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	02/04/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	02/04/20	KCA	1
Acetone	0.611	0.421	0.421	1.45	1.00	1.00	02/04/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	02/04/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	02/04/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	02/04/20	KCA	1

Client ID: BLOWER EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	02/04/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	02/04/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	02/04/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	02/04/20	KCA	1
Carbon Tetrachloride	0.089	0.032	0.032	0.56	0.20	0.20	02/04/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	02/04/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	02/04/20	KCA	1
Chloroform	0.435	0.205	0.205	2.12	1.00	1.00	02/04/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	02/04/20	KCA	1
Cis-1,2-Dichloroethene	1.49	0.051	0.051	5.90	0.20	0.20	02/04/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	02/04/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	02/04/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	02/04/20	KCA	1
Dichlorodifluoromethane	0.561	0.202	0.202	2.77	1.00	1.00	02/04/20	KCA	1
Ethanol	1.62	0.531	0.531	3.05	1.00	1.00	02/04/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	02/04/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	02/04/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	02/04/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	02/04/20	KCA	1
Hexane	0.682	0.284	0.284	2.40	1.00	1.00	02/04/20	KCA	1
Isopropylalcohol	ND	0.407	0.407	ND	1.00	1.00	02/04/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	02/04/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	02/04/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	02/04/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	02/04/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	02/04/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	02/04/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	02/04/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	02/04/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	02/04/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	02/04/20	KCA	1
Tetrachloroethene	9.46	0.037	0.037	64.1	0.25	0.25	02/04/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	02/04/20	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	02/04/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/04/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	02/04/20	KCA	1
Trichloroethene	2.65	0.037	0.037	14.2	0.20	0.20	02/04/20	KCA	1
Trichlorofluoromethane	0.341	0.178	0.178	1.91	1.00	1.00	02/04/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	02/04/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	02/04/20	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	103	%	%	103	%	%	02/04/20	KCA	1
% IS-1,4-Difluorobenzene	99	%	%	99	%	%	02/04/20	KCA	1
% IS-Bromochloromethane	107	%	%	107	%	%	02/04/20	KCA	1
% IS-Chlorobenzene-d5	96	%	%	96	%	%	02/04/20	KCA	1

Client ID: BLOWER EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

February 05, 2020

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

### Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 11290

### Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

### Date

01/31/20  
02/03/20

### Time

12:25  
15:26

### Laboratory Data

SDG ID: GCF25142  
Phoenix ID: CF25143

Project ID: MELODY CLEANERS (09406-01)  
Client ID: STACK EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b><u>Volatiles (TO15)</u></b>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	02/04/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	02/04/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	02/04/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	02/04/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	02/04/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	02/04/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	02/04/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	02/04/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	02/04/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	02/04/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	02/04/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	02/04/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	02/04/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	02/04/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	02/04/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	02/04/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	02/04/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	02/04/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	02/04/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	02/04/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	02/04/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	02/04/20	KCA	1
Acetone	0.558	0.421	0.421	1.32	1.00	1.00	02/04/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	02/04/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	02/04/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	02/04/20	KCA	1



Client ID: STACK EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	02/04/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	02/04/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	02/04/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	02/04/20	KCA	1
Carbon Tetrachloride	ND	0.032	0.032	ND	0.20	0.20	02/04/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	02/04/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	02/04/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	02/04/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	02/04/20	KCA	1
Cis-1,2-Dichloroethene	0.687	0.051	0.051	2.72	0.20	0.20	02/04/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	02/04/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	02/04/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	02/04/20	KCA	1
Dichlorodifluoromethane	0.611	0.202	0.202	3.02	1.00	1.00	02/04/20	KCA	1
Ethanol	2.30	0.531	0.531	4.33	1.00	1.00	02/04/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	02/04/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	02/04/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	02/04/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	02/04/20	KCA	1
Hexane	1.10	0.284	0.284	3.87	1.00	1.00	02/04/20	KCA	1
Isopropylalcohol	ND	0.407	0.407	ND	1.00	1.00	02/04/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	02/04/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	02/04/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	02/04/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	02/04/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	02/04/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	02/04/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	02/04/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	02/04/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	02/04/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	02/04/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	02/04/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	02/04/20	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	02/04/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/04/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	02/04/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	02/04/20	KCA	1
Trichlorofluoromethane	0.266	0.178	0.178	1.49	1.00	1.00	02/04/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	02/04/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	02/04/20	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	97	%	%	97	%	%	02/04/20	KCA	1
% IS-1,4-Difluorobenzene	104	%	%	104	%	%	02/04/20	KCA	1
% IS-Bromochloromethane	106	%	%	106	%	%	02/04/20	KCA	1
% IS-Chlorobenzene-d5	103	%	%	103	%	%	02/04/20	KCA	1

Client ID: STACK EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

February 05, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Canister Sampling Information

February 05, 2020

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

Location Code: IMPACT

SDG I.D.: GCF25142

Project ID: MELODY CLEANERS (09406-01)

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
BLOWER EFFLUENT	CF25142	12855	6.0L		01/30/20	-30	0						01/31/20 11:00	01/31/20 11:05
STACK EFFLUENT	CF25143	11290	6.0L		01/30/20	-30	0						01/31/20 12:10	01/31/20 12:25



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823



# QA/QC Report

February 05, 2020

## QA/QC Data

SDG I.D.: GCF25142

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 517133 (ppbv), QC Sample No: CF24463 (CF25142, CF25143)												
<u>Volatiles</u>												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	95	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	97	1.96	2.00	0.359	0.366	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	99	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	67	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	97	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	112	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	91	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	89	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	93	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	96	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	110	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	115	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	94	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	92	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	102	1.01	1.13	0.246	0.276	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	103	20.2	20.2	8.50	8.49	0.1	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	86	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	112	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	87	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	101	0.30	0.30	0.047	0.047	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	89	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	109	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	105	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	124	2.98	2.80	0.603	0.567	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	108	43.5	24.5	23.1	13.0	56.0	70 - 130	25

## QA/QC Data

SDG I.D.: GCF25142

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.280	ND	1.01	98	7.92	7.92	2.20	2.20	0.0	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	70	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	107	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	89	2.00	1.70	0.816	0.693	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	102	1.07	1.02	0.247	0.235	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	99	3.36	3.21	1.14	1.09	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	94	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	98	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	90	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	94	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	104	1.02	0.98	0.151	0.145	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	86	3.39	2.95	1.15	1.00	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	110	1.15	1.11	0.305	0.294	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	96	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	105	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	92	11.5	11.6	2.04	2.06	1.0	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	89	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	92	%	92	%	103	99	98	99	98	NC	70 - 130	25
% IS-1,4-Difluorobenzene	145	%	145	%	84	107	106	107	106	NC	60 - 140	25 s
% IS-Bromochloromethane	159	%	159	%	86	103	101	103	101	NC	60 - 140	25 s
% IS-Chlorobenzene-d5	131	%	131	%	92	108	107	108	107	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

s = This parameter is outside laboratory Blank Surrogate specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

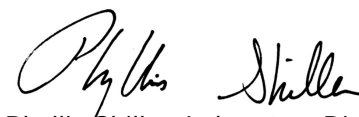
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director  
February 05, 2020

Wednesday, February 05, 2020

Criteria: None

State: NY

## Sample Criteria Exceedances Report

### GCF25142 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.





Monday, March 09, 2020

Attn: Juliana de la Fuente  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

Project ID: MELODY CLEANERS 09406-01  
SDG ID: GCF44261  
Sample ID#s: CF44261 - CF44262

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

March 09, 2020

SDG I.D.: GCF44261

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Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.  
Compounds that are detected above MDL but below RL are qualified with a J flag.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

March 09, 2020

SDG I.D.: GCF44261

Project ID: MELODY CLEANERS 09406-01

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Client Id	Lab Id	Matrix
BLOWER EFFLUENT	CF44261	AIR
STACK EFFLUENT	CF44262	AIR



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 09, 2020

FOR: Attn: Juliana de la Fuente  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

### Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 21367

### Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

### Date

02/28/20  
03/05/20

### Time

9:35  
15:32

### Laboratory Data

SDG ID: GCF44261  
Phoenix ID: CF44261

Project ID: MELODY CLEANERS 09406-01  
Client ID: BLOWER EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b><u>Volatiles (TO15)</u></b>									
Cis-1,2-Dichloroethene	1.19	0.051	0.051	4.72	0.20	0.20	03/06/20	KCA	1
Tetrachloroethene	9.14	0.037	0.037	62.0	0.25	0.25	03/06/20	KCA	1
Trichloroethene	2.59	0.037	0.037	13.9	0.20	0.20	03/06/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/06/20	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	97	%	%	97	%	%	03/06/20	KCA	1
% IS-1,4-Difluorobenzene	127	%	%	127	%	%	03/06/20	KCA	1
% IS-Bromochloromethane	119	%	%	119	%	%	03/06/20	KCA	1
% IS-Chlorobenzene-d5	113	%	%	113	%	%	03/06/20	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

March 09, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 09, 2020

FOR: Attn: Juliana de la Fuente  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

### Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 23348

### Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

### Date

02/28/20  
03/05/20

### Time

10:05  
15:32

### Laboratory Data

SDG ID: GCF44261  
Phoenix ID: CF44262

Project ID: MELODY CLEANERS 09406-01  
Client ID: STACK EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b><u>Volatiles (TO15)</u></b>									
Cis-1,2-Dichloroethene	0.475	0.051	0.051	1.88	0.20	0.20	03/06/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	03/06/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	03/06/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/06/20	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	95	%	%	95	%	%	03/06/20	KCA	1
% IS-1,4-Difluorobenzene	114	%	%	114	%	%	03/06/20	KCA	1
% IS-Bromochloromethane	104	%	%	104	%	%	03/06/20	KCA	1
% IS-Chlorobenzene-d5	105	%	%	105	%	%	03/06/20	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

March 09, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## QA/QC Report

March 09, 2020

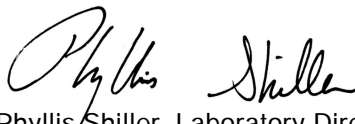
### QA/QC Data

SDG I.D.: GCF44261

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 521327 (ppbv), QC Sample No: CF43580 (CF44261, CF44262)												
<u>Volatiles</u>												
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	106	1.23	1.18	0.310	0.297	4.3	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	105	235	221	34.6	32.6	6.0	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	108	4.54	4.49	0.845	0.836	1.1	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	98	%	98	%	101	103	101	103	101	NC	70 - 130	25
% IS-1,4-Difluorobenzene	92	%	92	%	103	95	116	95	116	NC	60 - 140	25
% IS-Bromochloromethane	92	%	92	%	100	91	109	91	109	NC	60 - 140	25
% IS-Chlorobenzene-d5	88	%	88	%	103	105	117	105	117	NC	60 - 140	25

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
March 09, 2020

Monday, March 09, 2020

Criteria: None

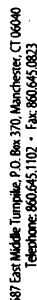
State: NY

Sample Criteria Exceedances Report  
GCF44261 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



187 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Telephone: 860.645.1102 • Fax: 860.645.0823

PEL-115 Rev. 9/2019



Monday, March 30, 2020

Attn: Leif Robertson  
Impact Closures  
170 Keyland Court  
Bohemia NY 11716

Project ID: MELODY 2050 HEMP TORP  
SDG ID: GCF57203  
Sample ID#s: CF57203 - CF57204

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

March 30, 2020

SDG I.D.: GCF57203

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Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance. Compounds that are detected above MDL but below RL are qualified with a J flag.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

March 30, 2020

SDG I.D.: GCF57203

Project ID: MELODY 2050 HEMP TORP

---

Client Id	Lab Id	Matrix
BLOWER EFFLUENT	CF57203	AIR
STACK EFFLUENT	CF57204	AIR



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 30, 2020

FOR: Attn: Leif Robertson  
Impact Closures  
170 Keyland Court  
Bohemia NY 11716

### Sample Information

Matrix: AIR  
Location Code: IMPACT-ICL  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 470

### Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

### Date

03/23/20  
03/26/20

### Time

12:05  
15:46

### Laboratory Data

SDG ID: GCF57203  
Phoenix ID: CF57203

Project ID: MELODY 2050 HEMP TORP  
Client ID: BLOWER EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b><u>Volatiles (TO15)</u></b>									
Cis-1,2-Dichloroethene	1.60	0.051	0.051	6.34	0.20	0.20	03/26/20	KCA	1
Tetrachloroethene	10.1	0.037	0.037	68.5	0.25	0.25	03/26/20	KCA	1
Trichloroethene	2.92	0.037	0.037	15.7	0.20	0.20	03/26/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/26/20	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	96	%	%	96	%	%	03/26/20	KCA	1
% IS-1,4-Difluorobenzene	96	%	%	96	%	%	03/26/20	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	03/26/20	KCA	1
% IS-Chlorobenzene-d5	96	%	%	96	%	%	03/26/20	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

March 30, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 30, 2020

FOR: Attn: Leif Robertson  
Impact Closures  
170 Keyland Court  
Bohemia NY 11716

### Sample Information

Matrix: AIR  
Location Code: IMPACT-ICL  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 13635

### Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

### Date

03/23/20  
03/26/20

### Time

12:15  
15:46

### Laboratory Data

SDG ID: GCF57203  
Phoenix ID: CF57204

Project ID: MELODY 2050 HEMP TORP  
Client ID: STACK EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b><u>Volatiles (TO15)</u></b>									
Cis-1,2-Dichloroethene	0.660	0.051	0.051	2.62	0.20	0.20	03/26/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	03/26/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	03/26/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/26/20	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	96	%	%	96	%	%	03/26/20	KCA	1
% IS-1,4-Difluorobenzene	95	%	%	95	%	%	03/26/20	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	03/26/20	KCA	1
% IS-Chlorobenzene-d5	97	%	%	97	%	%	03/26/20	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### Comments:

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

March 30, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Canister Sampling Information

March 30, 2020

FOR: Attn: Leif Robertson  
Impact Closures  
170 Keyland Court  
Bohemia NY 11716

Location Code: IMPACT-ICL

SDG I.D.: GCF57203

Project ID: MELODY 2050 HEMP TORP

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
BLOWER EFFLUENT	CF57203	470	6.0L		03/19/20	-30	0						03/23/20 12:00	03/23/20 12:05
STACK EFFLUENT	CF57204	13635	6.0L		03/19/20	-30	0						03/23/20 12:10	03/23/20 12:15



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823



## QA/QC Report

March 30, 2020

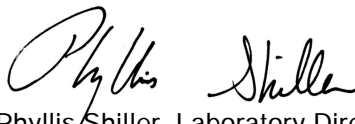
### QA/QC Data

SDG I.D.: GCF57203

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 524037 (ppbv), QC Sample No: CF56150 (CF57203, CF57204)												
<u>Volatiles</u>												
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	104	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	107	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	105	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	96	%	96	%	103	97	97	97	97	NC	70 - 130	25
% IS-1,4-Difluorobenzene	108	%	108	%	111	107	105	107	105	NC	60 - 140	25
% IS-Bromochloromethane	107	%	107	%	110	106	104	106	104	NC	60 - 140	25
% IS-Chlorobenzene-d5	106	%	106	%	111	106	105	106	105	NC	60 - 140	25

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
March 30, 2020

Monday, March 30, 2020

Criteria: None  
State: NY

Sample Criteria Exceedances Report  
GCF57203 - IMPACT-ICL

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: [info@phoenixlabs.com](mailto:info@phoenixlabs.com) Fax (860) 645-0823  
**Client Services (860) 645-1102**

**Client Services (860) 645-1102**

**Report to:** LEIF ROBERTSON

**Address:** IMPACT CLOSURE

**Project Mgr:** 170 Keyland ct.

Invoice to:	Steve Masfich	Project Name:	McLesley
Address:	170 Keyland Ct.	Location:	2050 Hemp Trl
P.O. #		State:	NY
Quote #		Sampled by:	LR

Project Name: Medi-1

Location: 2050 Hemp top

State: NY

Sampled by: UR

[illegible]

**SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:**

\* Please analyze (and only report) samples for PCE, TCE, cis-1,2-DCE and vinyl chloride.

\* Please Report results in  $\mu\text{g}/\text{m} + \text{ppbV}$

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_





Tuesday, May 05, 2020

Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

Project ID: MELODY 250 HEMP TPK  
SDG ID: GCF83186  
Sample ID#s: CF83186 - CF83187

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

May 05, 2020

SDG I.D.: GCF83186

---

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.  
Compounds that are detected above MDL but below RL are qualified with a J flag.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

May 05, 2020

SDG I.D.: GCF83186

Project ID: MELODY 250 HEMP TPK

---

Client Id	Lab Id	Matrix
STACK EFFLUENT	CF83186	AIR
BLOWER EFFLUENT	CF83187	AIR



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 05, 2020

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

### Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 28561

### Custody Information

Collected by: TS  
Received by: B  
Analyzed by: see "By" below

### Date

04/30/20  
05/01/20

### Time

10:05  
18:20

### Laboratory Data

SDG ID: GCF83186  
Phoenix ID: CF83186

Project ID: MELODY 250 HEMP TPK  
Client ID: STACK EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b><u>Volatiles (TO15)</u></b>									
Cis-1,2-Dichloroethene	1.33	0.051	0.051	5.27	0.20	0.20	05/05/20	KCA	1
Tetrachloroethene	0.052	0.037	0.037	0.35	0.25	0.25	05/05/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/05/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	05/05/20	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	98	%	%	98	%	%	05/05/20	KCA	1
% IS-1,4-Difluorobenzene	97	%	%	97	%	%	05/05/20	KCA	1
% IS-Bromochloromethane	96	%	%	96	%	%	05/05/20	KCA	1
% IS-Chlorobenzene-d5	96	%	%	96	%	%	05/05/20	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

May 05, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 05, 2020

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

### Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#:  
Canister Id: 357

### Custody Information

Collected by: TS  
Received by: B  
Analyzed by: see "By" below

### Date

04/30/20 10:20  
05/01/20 18:20

### Time

### Laboratory Data

SDG ID: GCF83186  
Phoenix ID: CF83187

Project ID: MELODY 250 HEMP TPK  
Client ID: BLOWER EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b><u>Volatiles (TO15)</u></b>									
Cis-1,2-Dichloroethene	1.91	0.051	0.051	7.57	0.20	0.20	05/05/20	KCA	1
Tetrachloroethene	10.6	0.037	0.037	71.8	0.25	0.25	05/05/20	KCA	1
Trichloroethene	3.48	0.037	0.037	18.7	0.20	0.20	05/05/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	05/05/20	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	97	%	%	97	%	%	05/05/20	KCA	1
% IS-1,4-Difluorobenzene	94	%	%	94	%	%	05/05/20	KCA	1
% IS-Bromochloromethane	93	%	%	93	%	%	05/05/20	KCA	1
% IS-Chlorobenzene-d5	92	%	%	92	%	%	05/05/20	KCA	1

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

May 05, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Canister Sampling Information

May 05, 2020

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

Location Code: IMPACT

SDG I.D.: GCF83186

Project ID: MELODY 250 HEMP TPK

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
STACK EFFLUENT	CF83186	28561	6.0L		04/29/20	-30	0		B SAM				04/30/20 10:00	04/30/20 10:05
BLOWER EFFLUENT	CF83187	357	6.0L		04/29/20	-30	0		B SAM				04/30/20 10:15	04/30/20 10:20



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Tel. (860) 645-1102 Fax (860) 645-0823



## QA/QC Report

May 05, 2020

### QA/QC Data

SDG I.D.: GCF83186

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
-----------	-------------	-------------------	--------------	--------------------	----------	---------------------------	------------------------	--------------------------	-----------------------	------------	--------------------	--------------------

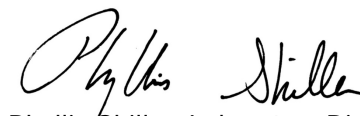
QA/QC Batch 528687 (ppbv), QC Sample No: CF82916 (CF83186, CF83187)

#### Volatiles

Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	106	498	491	73.4	72.4	1.4	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	109	1.73	1.81	0.322	0.337	4.6	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	102	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	97	%	97	%	100	100	103	100	103	NC	70 - 130	25
% IS-1,4-Difluorobenzene	98	%	98	%	101	113	114	113	114	NC	60 - 140	25
% IS-Bromochloromethane	99	%	99	%	100	112	115	112	115	NC	60 - 140	25
% IS-Chlorobenzene-d5	98	%	98	%	103	109	110	109	110	NC	60 - 140	25

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
May 05, 2020

Tuesday, May 05, 2020

Criteria: None

State: NY

## Sample Criteria Exceedances Report

### GCF83186 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.





587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Telephone: 860.645.1102 • Fax: 860.645.0823

## Page 1 of 1

**800-827-5426**

**email: [greg@phoenixlabs.com](mailto:greg@phoenixlabs.com)**

Fax #: \_\_\_\_\_

~~X~~ Email.

7. **LIABILITY.**

[illegible]

GCF 83186

**Lori Bailey**

---

**From:** Michael Lapman  
**Sent:** Friday, May 01, 2020 03:06 PM  
**To:** Lori Bailey  
**Subject:** FW: IMPACT CHAINS  
**Attachments:** 20200501131201.pdf

3-Day Rush TAT and compare to NJIGWs.

Thank you and enjoy the weekend!!

Regards,  
Michael Lapman  
Phoenix Environmental Laboratories, Inc.  
587 East Middle Turnpike  
Manchester, CT 06040  
Direct Line: 917.449.0850  
Laboratory: 860.812.0086  
[www.phoenixlabs.com](http://www.phoenixlabs.com)



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---

**From:** Lori Bailey <[lori@phoenixlabs.com](mailto:lori@phoenixlabs.com)>  
**Date:** Friday, May 1, 2020 at 2:13 PM  
**To:** Michael Lapman <[michael@phoenixlabs.com](mailto:michael@phoenixlabs.com)>  
**Subject:** IMPACT CHAINS

Lori Bailey  
Client Services Representative  
Phoenix Environmental Laboratories  
587 East Middle Turnpike  
Manchester, CT 06040  
Ph: 1-860-645-1102  
Fx: 1-860-645-0823



THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, AND



Thursday, July 09, 2020

Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

Project ID: MELODY CLEANERS  
SDG ID: GCG27598  
Sample ID#s: CG27598 - CG27599

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

  
Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

July 09, 2020

SDG I.D.: GCG27598

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Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance. Compounds that are detected above MDL but below RL are qualified with a J flag.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

July 09, 2020

SDG I.D.: GCG27598

Project ID: MELODY CLEANERS

---

Client Id	Lab Id	Matrix
STACK EFFLUENT	CG27598	AIR
BLOWER EFFLUENT	CG27599	AIR



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

July 09, 2020

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

### Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#: 09406-01-ONM  
Canister Id: 28598

### Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

### Date

06/30/20  
07/06/20

### Time

9:05  
14:54

### Laboratory Data

SDG ID: GCG27598  
Phoenix ID: CG27598

Project ID: MELODY CLEANERS  
Client ID: STACK EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b>Volatiles (TO15)</b>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	07/07/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	07/07/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	07/07/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	07/07/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	07/07/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	07/07/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	07/07/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	07/07/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	07/07/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	07/07/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	07/07/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	07/07/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	07/07/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	07/07/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	07/07/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	07/07/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	07/07/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	07/07/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	07/07/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	07/07/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	07/07/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	07/07/20	KCA	1
Acetone	1.73	0.421	0.421	4.11	1.00	1.00	07/07/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	07/07/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	07/07/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	07/07/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	07/07/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	07/07/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	07/07/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	07/07/20	KCA	1
Carbon Tetrachloride	ND	0.032	0.032	ND	0.20	0.20	07/07/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	07/07/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	07/07/20	KCA	1
Chloroform	0.222	0.205	0.205	1.08	1.00	1.00	07/07/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	07/07/20	KCA	1
Cis-1,2-Dichloroethene	4.75	0.051	0.051	18.8	0.20	0.20	07/07/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	07/07/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	07/07/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	07/07/20	KCA	1
Dichlorodifluoromethane	0.302	0.202	0.202	1.49	1.00	1.00	07/07/20	KCA	1
Ethanol	9.58	0.531	0.531	18.0	1.00	1.00	07/07/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	07/07/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	07/07/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	07/07/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	07/07/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	07/07/20	KCA	1
Isopropylalcohol	0.942	0.407	0.407	2.31	1.00	1.00	07/07/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	07/07/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	07/07/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	07/07/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	07/07/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	07/07/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	07/07/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	07/07/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	07/07/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	07/07/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	07/07/20	KCA	1
Tetrachloroethene	0.164	0.037	0.037	1.11	0.25	0.25	07/07/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	07/07/20	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	07/07/20	KCA	1
Trans-1,2-Dichloroethene	0.277	0.252	0.252	1.10	1.00	1.00	07/07/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	07/07/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	07/07/20	KCA	1
Trichlorofluoromethane	0.809	0.178	0.178	4.54	1.00	1.00	07/07/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	07/07/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	07/07/20	KCA	1
<b><u>QA/QC Surrogates/Internals</u></b>									
% Bromofluorobenzene	97	%	%	97	%	%	07/07/20	KCA	1
% IS-1,4-Difluorobenzene	76	%	%	76	%	%	07/07/20	KCA	1
% IS-Bromochloromethane	78	%	%	78	%	%	07/07/20	KCA	1
% IS-Chlorobenzene-d5	81	%	%	81	%	%	07/07/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**July 09, 2020**

**Reviewed and Released by: Rashmi Makol, Project Manager**





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

July 09, 2020

FOR: Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

## Sample Information

Matrix: AIR  
Location Code: IMPACT  
Rush Request: 72 Hour  
P.O.#: 09406-01-ONM  
Canister Id: 469

## Custody Information

Collected by: LR  
Received by: CP  
Analyzed by: see "By" below

## Date

06/30/20  
07/06/20

## Time

9:20  
14:54

## Laboratory Data

SDG ID: GCG27598  
Phoenix ID: CG27599

Project ID: MELODY CLEANERS  
Client ID: BLOWER EFFLUENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<b>Volatiles (TO15)</b>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	07/07/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	07/07/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	07/07/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	07/07/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	07/07/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	07/07/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	07/07/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	07/07/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	07/07/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	07/07/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	07/07/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	07/07/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	07/07/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	07/07/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	07/07/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	07/07/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	07/07/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	07/07/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	07/07/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	07/07/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	07/07/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	07/07/20	KCA	1
Acetone	2.12	0.421	0.421	5.03	1.00	1.00	07/07/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	07/07/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	07/07/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	07/07/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	07/07/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	07/07/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	07/07/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	07/07/20	KCA	1
Carbon Tetrachloride	0.091	0.032	0.032	0.57	0.20	0.20	07/07/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	07/07/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	07/07/20	KCA	1
Chloroform	1.45	0.205	0.205	7.08	1.00	1.00	07/07/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	07/07/20	KCA	1
Cis-1,2-Dichloroethene	5.41	0.051	0.051	21.4	0.20	0.20	07/07/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	07/07/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	07/07/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	07/07/20	KCA	1
Dichlorodifluoromethane	0.378	0.202	0.202	1.87	1.00	1.00	07/07/20	KCA	1
Ethanol	1.24	0.531	0.531	2.33	1.00	1.00	07/07/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	07/07/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	07/07/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	07/07/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	07/07/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	07/07/20	KCA	1
Isopropylalcohol	0.536	0.407	0.407	1.32	1.00	1.00	07/07/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	07/07/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	07/07/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	07/07/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	07/07/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	07/07/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	07/07/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	07/07/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	07/07/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	07/07/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	07/07/20	KCA	1
Tetrachloroethene	38.3	0.037	0.037	260	0.25	0.25	07/07/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	07/07/20	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	07/07/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	07/07/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	07/07/20	KCA	1
Trichloroethene	9.42	0.037	0.037	50.6	0.20	0.20	07/07/20	KCA	1
Trichlorofluoromethane	0.327	0.178	0.178	1.84	1.00	1.00	07/07/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	07/07/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	07/07/20	KCA	1
<b>QA/QC Surrogates/Internals</b>									
% Bromofluorobenzene	97	%	%	97	%	%	07/07/20	KCA	1
% IS-1,4-Difluorobenzene	89	%	%	89	%	%	07/07/20	KCA	1
% IS-Bromochloromethane	86	%	%	86	%	%	07/07/20	KCA	1
% IS-Chlorobenzene-d5	85	%	%	85	%	%	07/07/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3LOD/ RL MDL	Date/Time	By
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

### **Comments:**

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**July 09, 2020**

**Reviewed and Released by: Rashmi Makol, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Canister Sampling Information

July 09, 2020

FOR:

Attn: Leif Robertson  
Impact Environmental  
170 Keyland Court  
Bohemia NY 11716

Location Code: IMPACT

Project ID: MELODY CLEANERS

SDG I.D.: GCG27598

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory						Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date	
STACK EFFLUENT	CG27598	28598	6.0L		05/29/20	-30	-13		1B SAM			06/30/20 09:00	06/30/20 09:05		
BLOWER EFFLUENT	CG27599	469	6.0L		05/29/20	-30	0		1B SAM			06/30/20 09:15	06/30/20 09:20		



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823



## QA/QC Report

July 09, 2020

### QA/QC Data

SDG I.D.: GCG27598

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 536537 (ppbv), QC Sample No: CG27599 (CG27598, CG27599)												
<u>Volatiles</u>												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	105	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	109	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	110	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	122	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	115	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	112	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	119	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	112	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	114	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	136	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	139	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	123	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	135	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	99	5.03	4.63	2.12	1.95	NC	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	108	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	134	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	120	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	110	0.57	0.57	0.091	0.091	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	107	7.08	6.93	1.45	1.42	2.1	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	120	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	117	21.4	20.8	5.41	5.25	3.0	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	129	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	123	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	117	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	99	1.87	1.77	0.378	0.359	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	168	2.33	2.33	1.24	1.24	NC	70 - 130	25

# QA/QC Data

SDG I.D.: GCG27598

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.280	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	131	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	122	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	138	1.32	1.06	0.536	0.430	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	116	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	104	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	125	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	123	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	111	260	254	38.3	37.4	2.4	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	125	ND	ND	ND	ND	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	111	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	124	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	109	50.6	49.9	9.42	9.30	1.3	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	109	1.84	1.83	0.327	0.326	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	114	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	98	%	98	%	98	97	97	97	97	NC	70 - 130	25
% IS-1,4-Difluorobenzene	97	%	97	%	96	89	87	89	87	NC	60 - 140	25
% IS-Bromochloromethane	97	%	97	%	94	86	85	86	85	NC	60 - 140	25
% IS-Chlorobenzene-d5	95	%	95	%	98	85	84	85	84	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
July 09, 2020

Sample Criteria Exceedances Report  
GCG27598 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
*** No Data to Display ***									

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



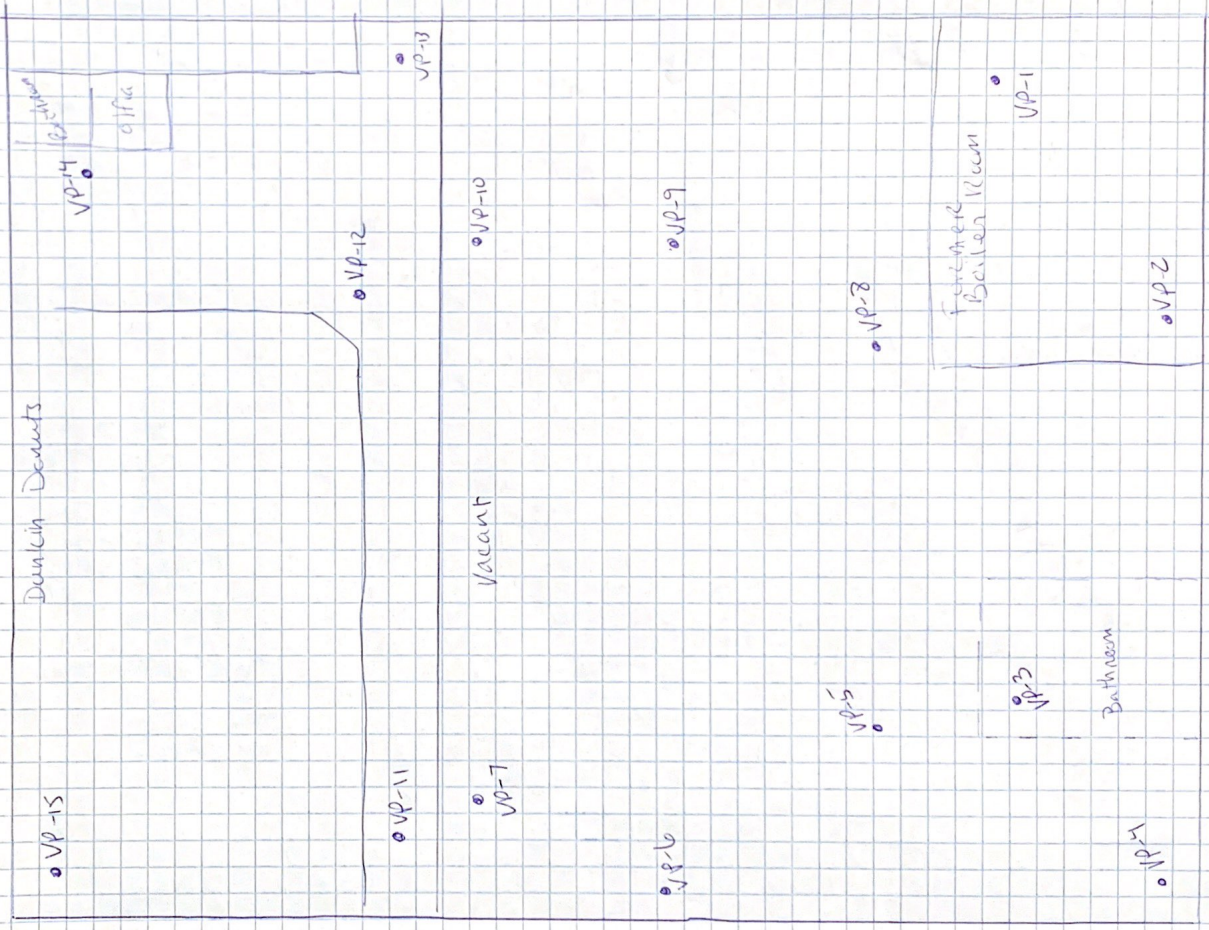


Site No.: V00347-1 – Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York

Appendix D  
Field Forms

## SMP Annual Inspection Form

1. SITE INFORMATION				
Site Name:	FORMER Melody Cleaners		Date:	8/14/2020
Location:	2020 Hempstead Tpk. East Meadow, NY		Weather/ Temperature:	Sunny 80°
NYSDEC No.:	V00347		Inspector(s):	HB
Attachments:	N/A			
Item:	Good	Requires Maintenance	N/A	Comments
2. GENERAL SITE CONDITIONS				
Vandalism			X	
Vegetation Infestation			X	
Litter			X	in parking lot
Buildings	X			
Security	X			
Other (Specify)				
3. COVER SYSTEM				
Pavement	X			
Gravel			X	not exposed
Geotextile Layer			X	not exposed
Clean Sand Layer			X	not exposed
Excavation/Breaches			X	
Other (Specify)				
4. SSDS				
SSDS Piping and Fittings	X	X		loose coupling
Blower Inspections	X			
SSDS Equipment/Enclosures	X			
Building Floor - Cracks/Damage			X	not observed
Building/Slab Modifications			X	not observed
Vapor Points		X		Replace VP-3 VP-8.
Other (Specify)				VP-13, Test/ck all
5. SVE SYSTEM				
Above-grade SVE Piping and Fittings	X			
SVE Blower Inspection	X			
SVE Equipment/Enclosures	X			
Moisture Separator	X			
Carbon Vessels	X			
Electrical Connections	X			
Operation Parameters	X			with Normal Range
Other (Specify)				
6. MONITORING WELLS				
Flush Mount Well Covers	X			
Security (j-plugs, locks)	X			
Casing Seal	X			
Functionality	X			
Other (Specify)				





Former Melody Cleaners, 2020, Hempstead Pk., E. Meadow, NY

Page 2 of 2  
9/3/2020

VP Vacuum measurements at vacant space and Dunkin Donuts using digital monometer.

Measurements taken with the SVE system on and off.

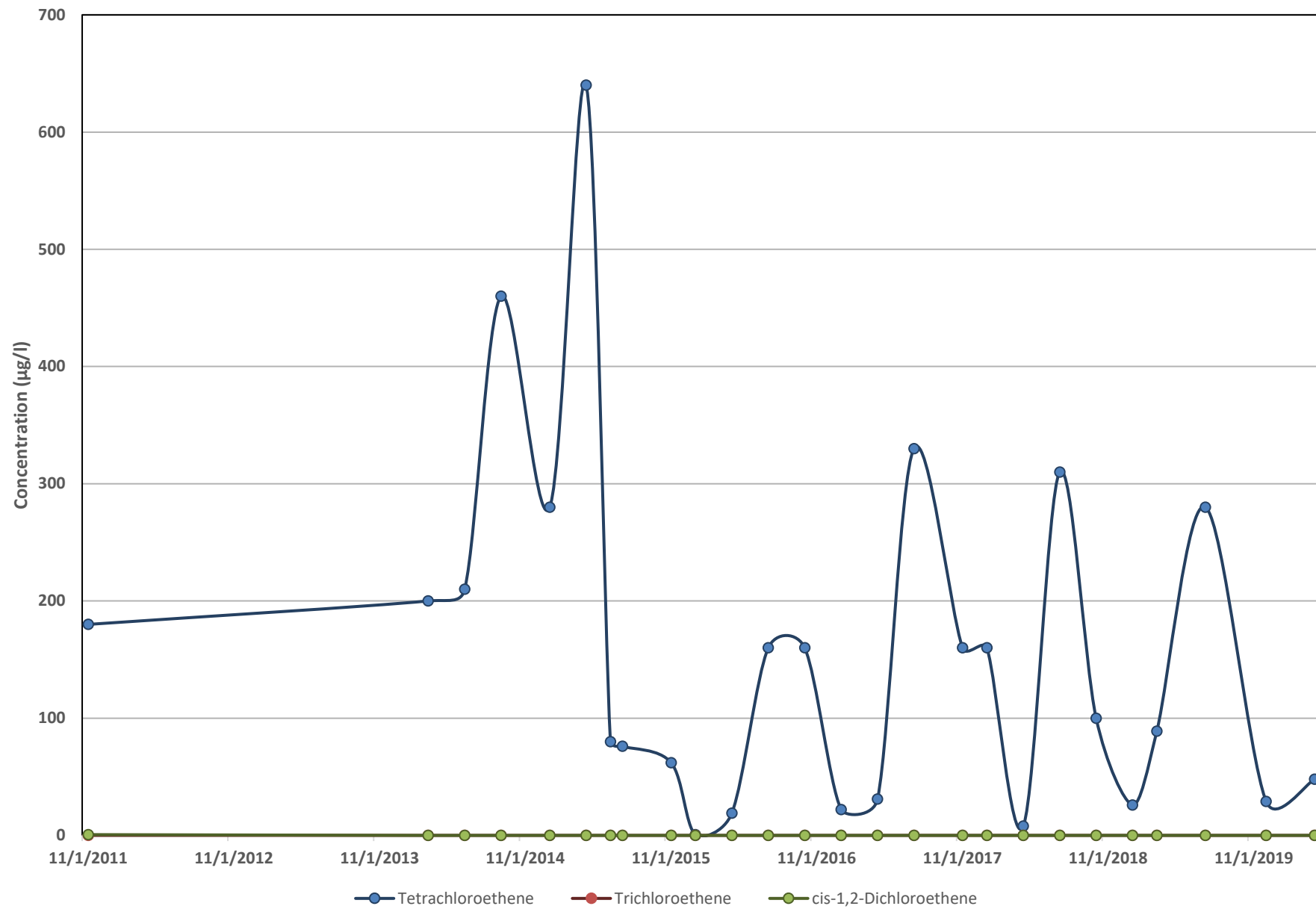
	VP ID #	SVE system ON	SVE system OFF
Vacant Bldg	VP-1	-0.0450	-0.0420
	VP-2	-0.030	-0.0190
	VP-3	0.00	0.00
	VP-4	0.00	0.00
	VP-5	-0.0650	-0.0560
	VP-6	-0.0540	-0.0460
	VP-7	-0.0960	-0.0810
	VP-8	-0.1210	-0.1120
	VP-9	-0.0920	-0.0820
	VP-10	-0.0970	-0.0880
Dunkin Donuts	VP-11	-0.030	-0.0270
	VP-12	-0.0450	-0.0440
	VP-13	-0.0250	-0.0230
	VP-14	-0.0610	-0.0640
	VP-15	-0.0210	-0.0130

Site No.: V00347-1 – Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York

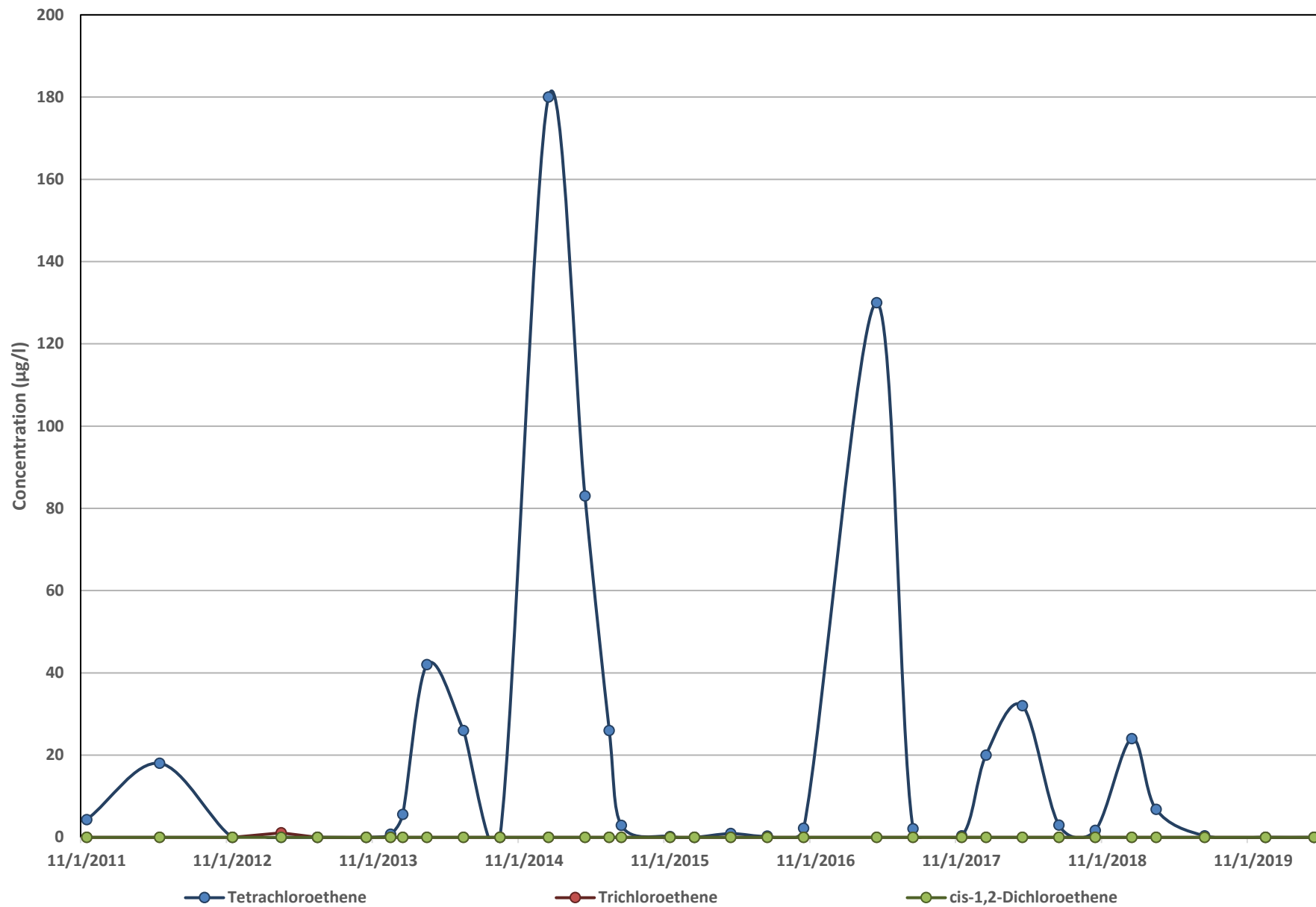
## Appendix E

Trend Analysis for Monitoring Wells

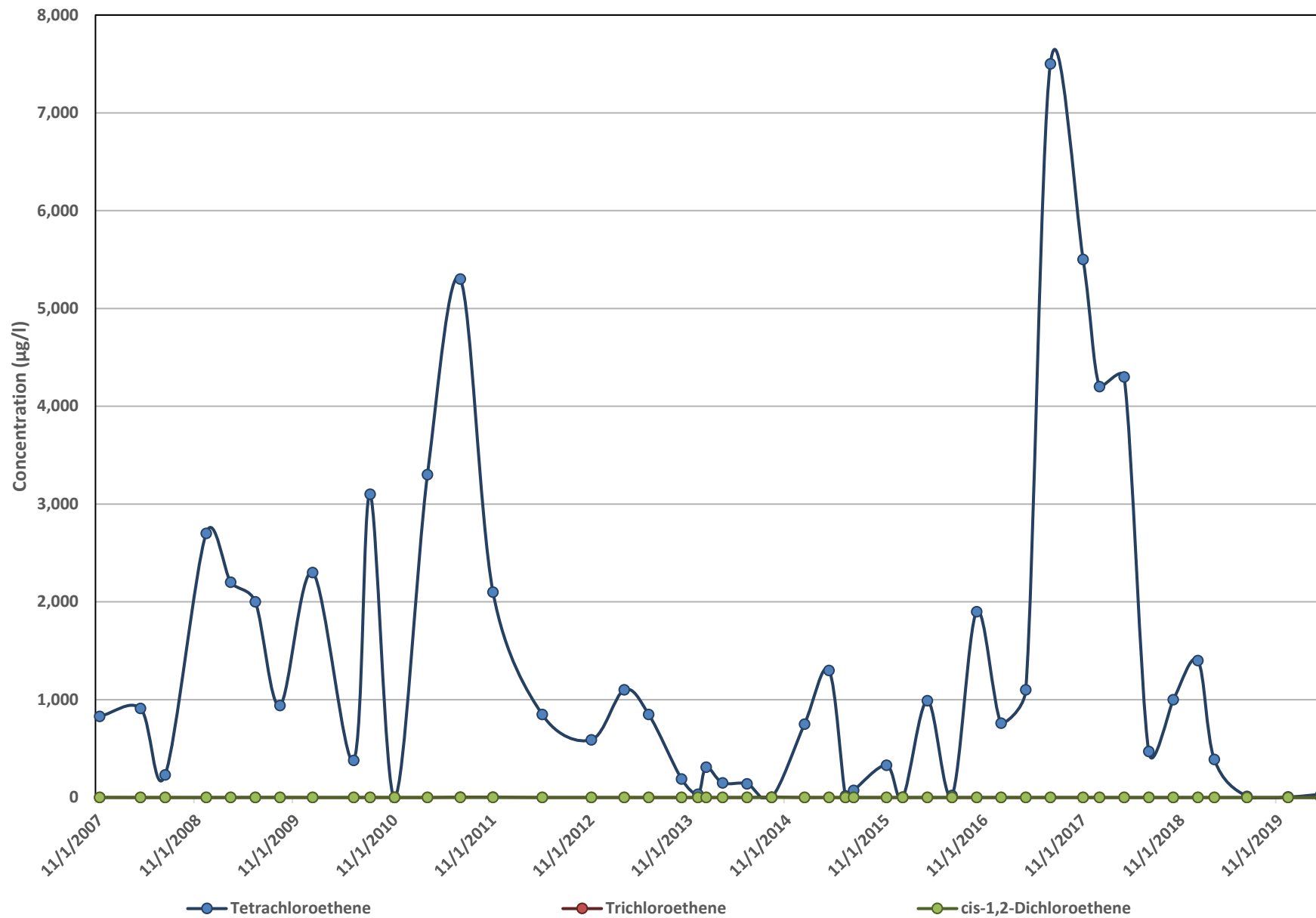
IW-1D CVOC Trend Analysis (µg/l)



SW-1 CVOC Trend Analysis (µg/l)

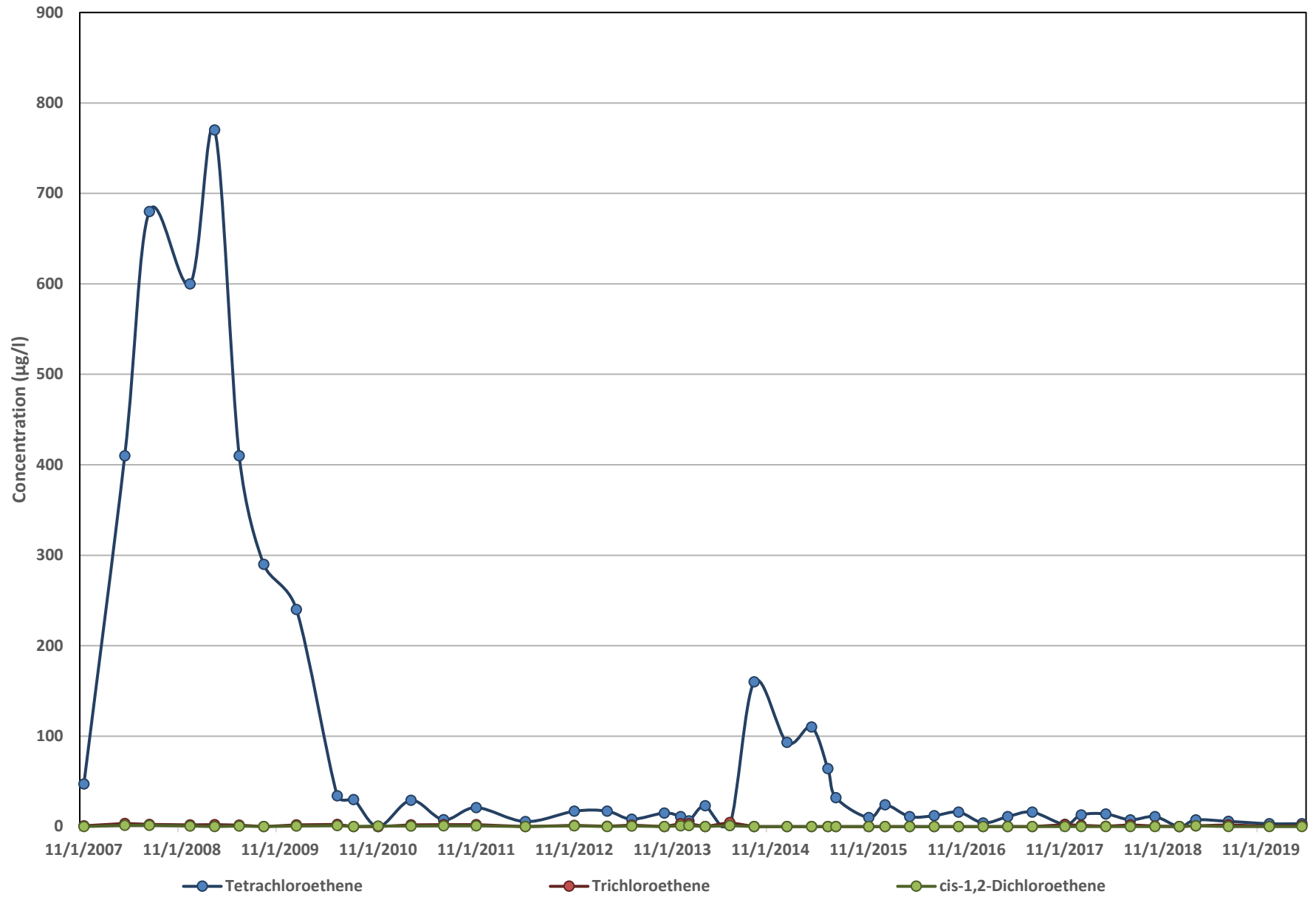


MLW-1IS CVOC Trend Analysis (µg/l)

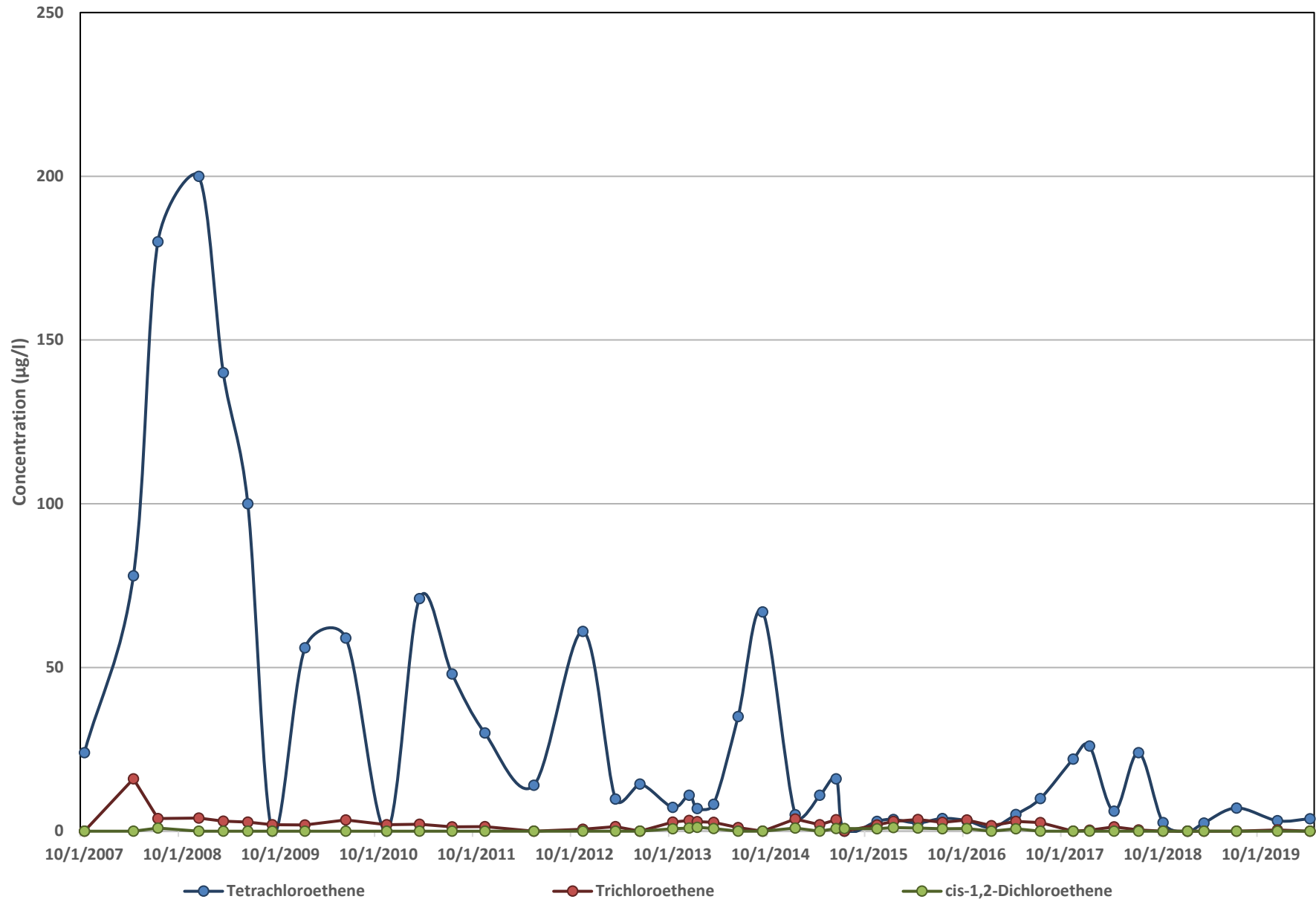




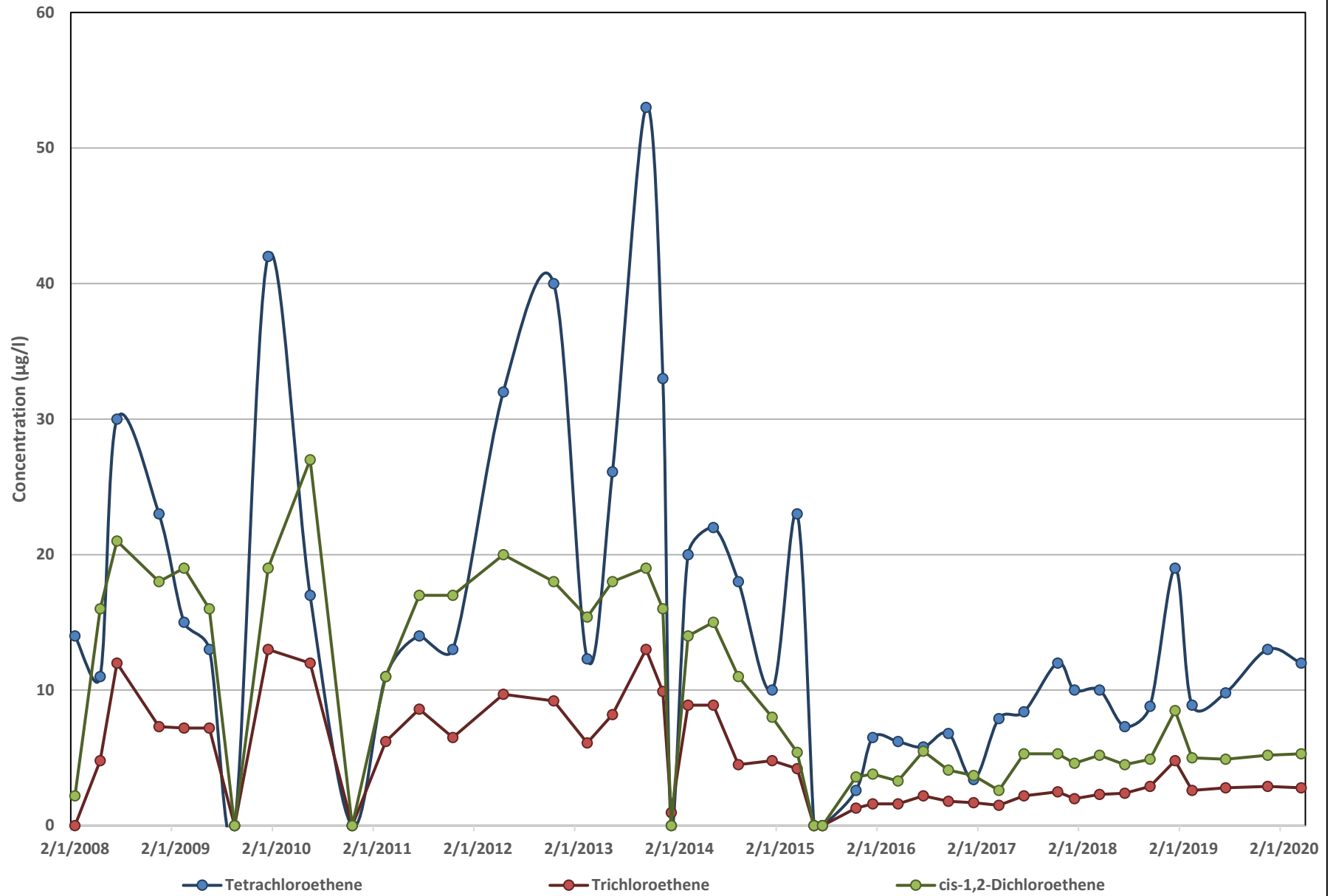
MLW-1ID CVOC Trend Analysis (µg/l)



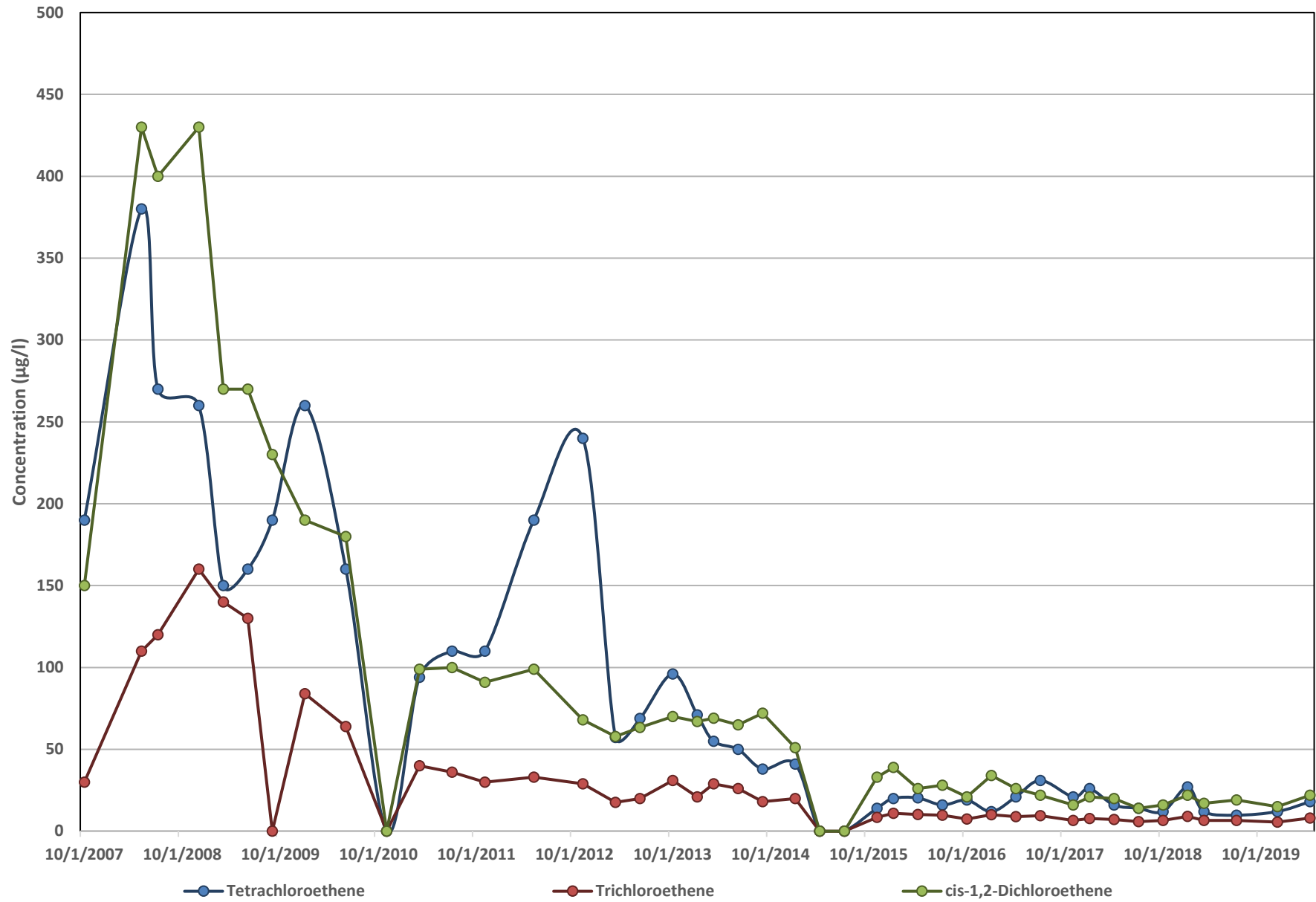
MLW-1D CVOC Trend Analysis (µg/l)



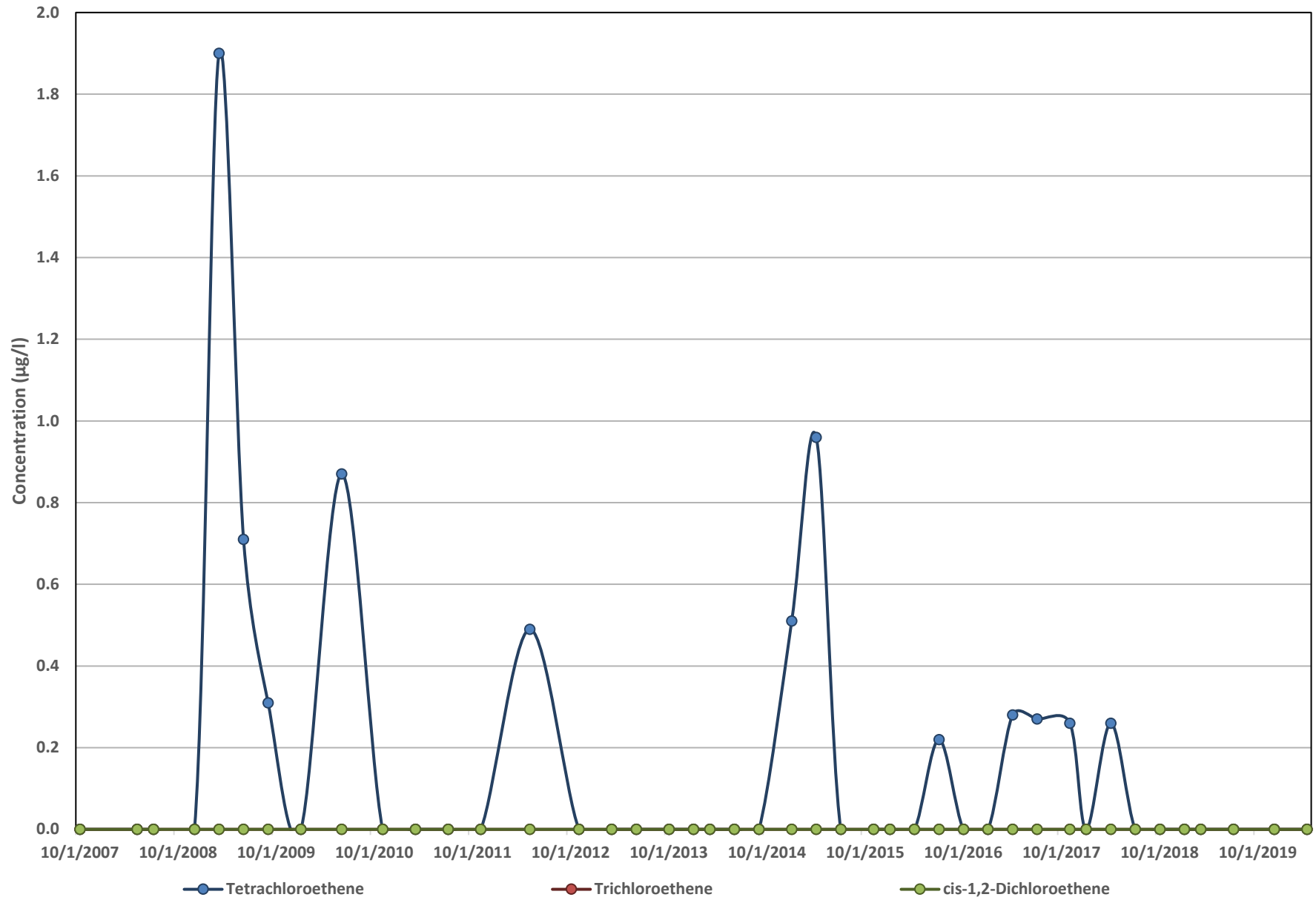
MLW-2I CVOC Trend Analysis (µg/l)



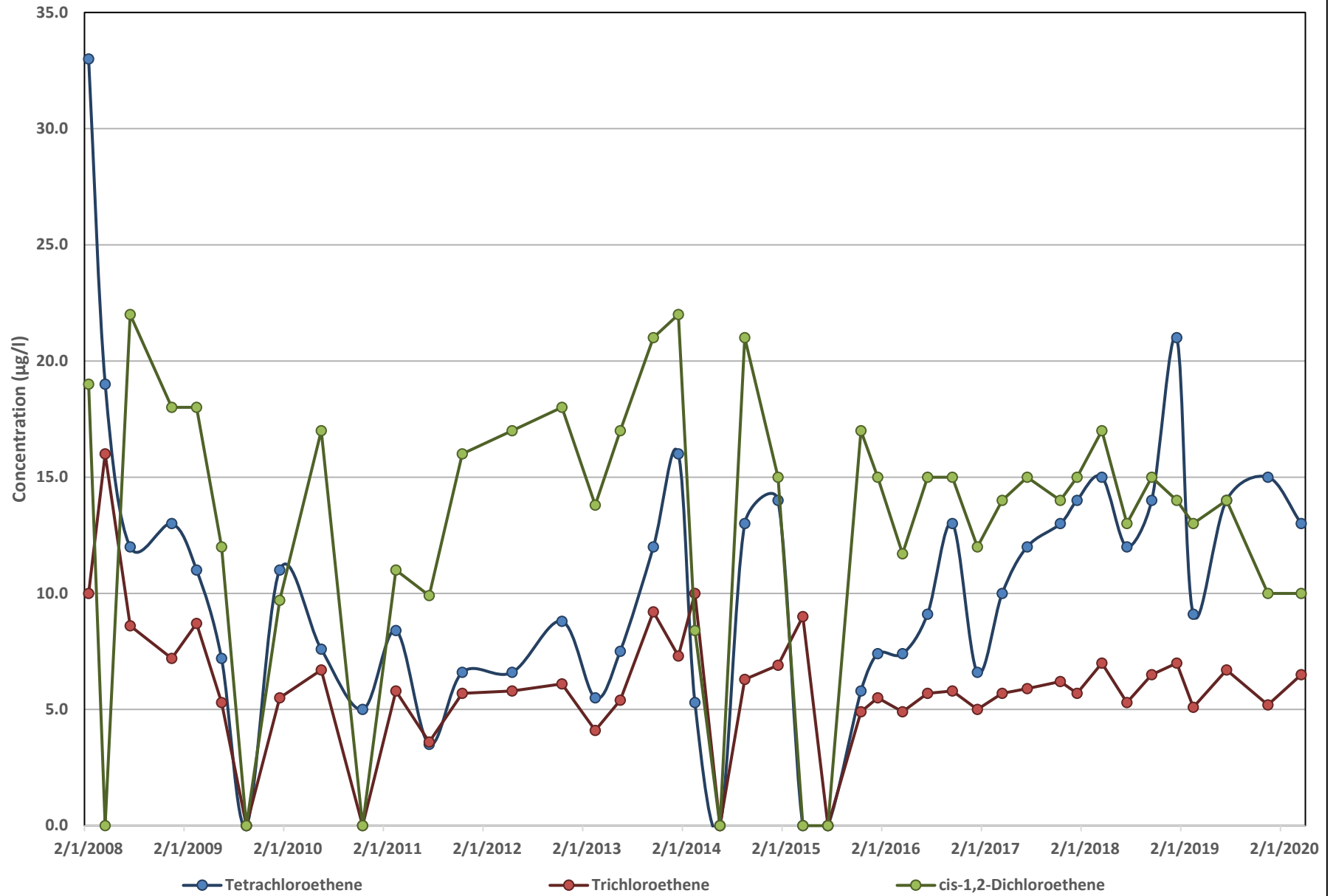
MLW-3I CVOC Trend Analysis (µg/l)



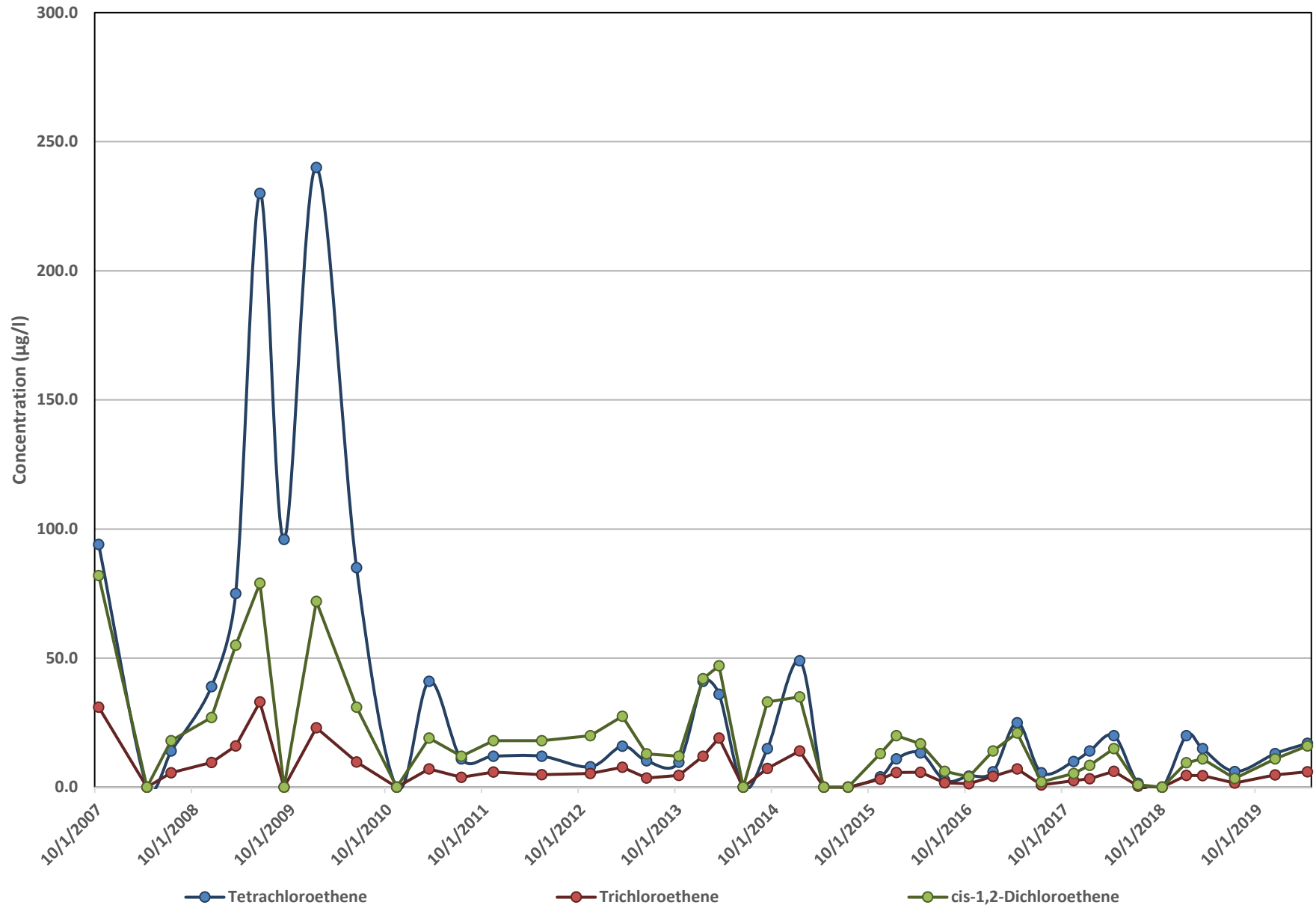
MLW-6I CVOC Trend Analysis (µg/l)



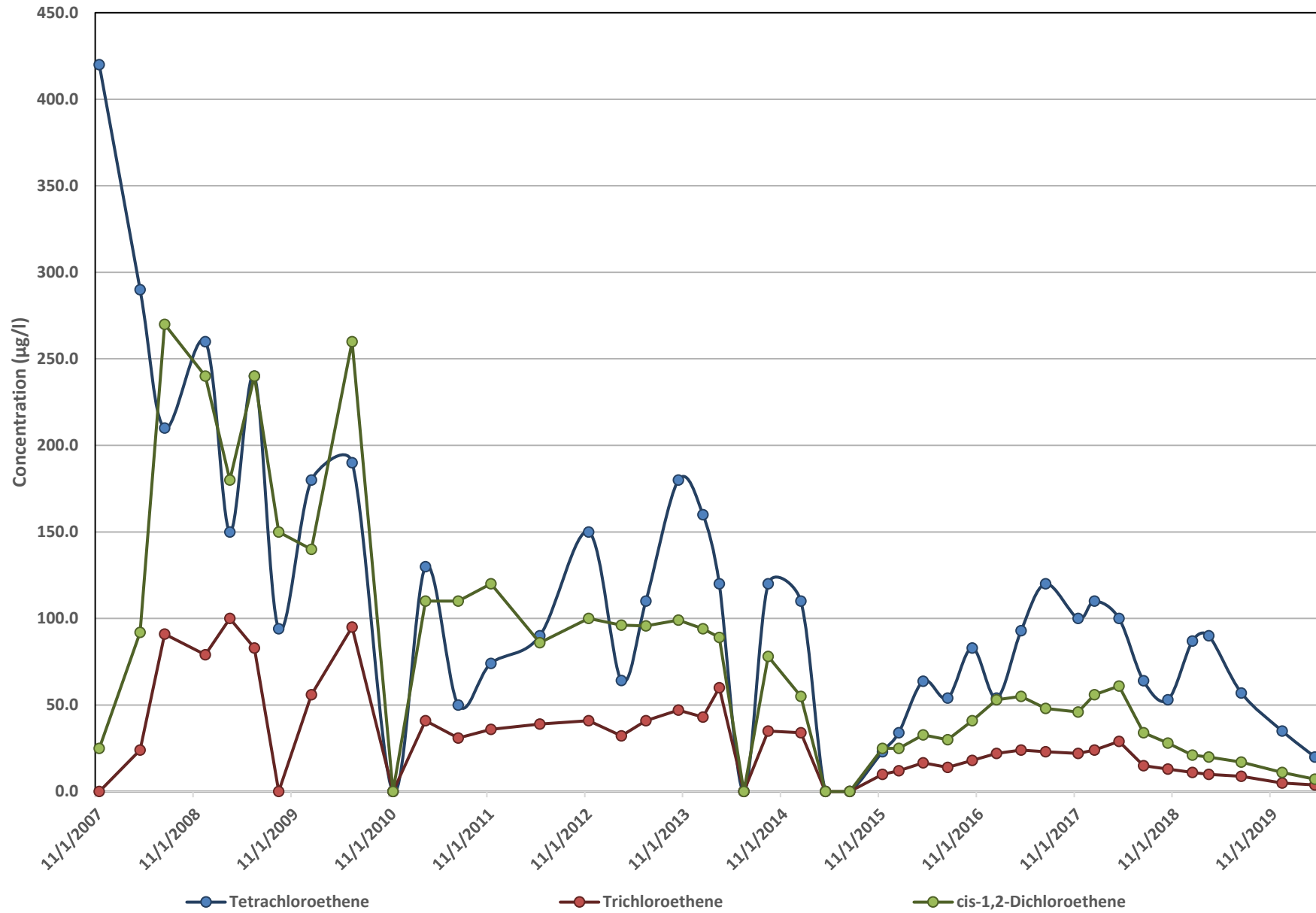
MLW-71 CVOC Trend Analysis (µg/l)



MLW-8I CVOC Trend Analysis (µg/l)

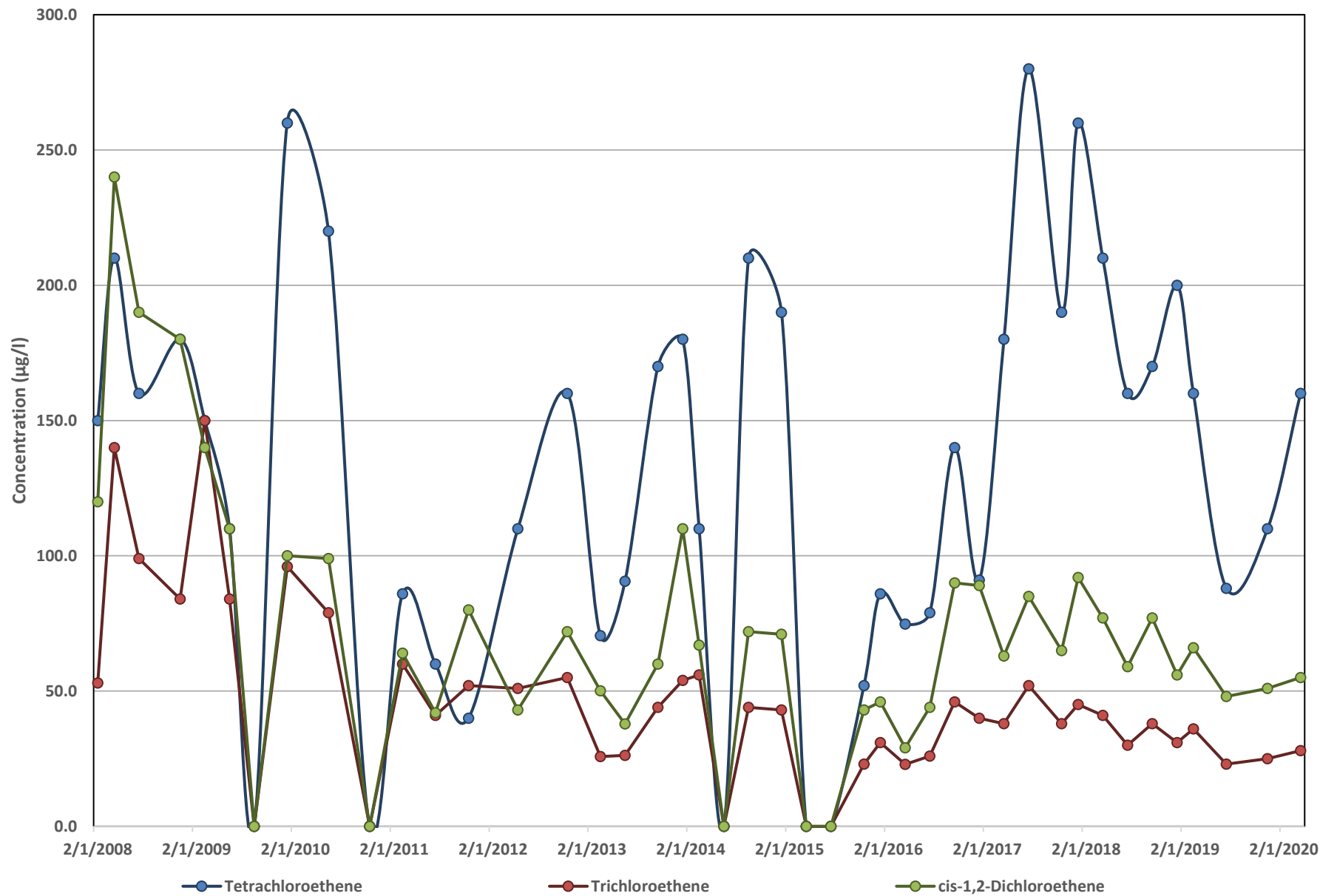


MLW-8D CVOC Trend Analysis (µg/l)

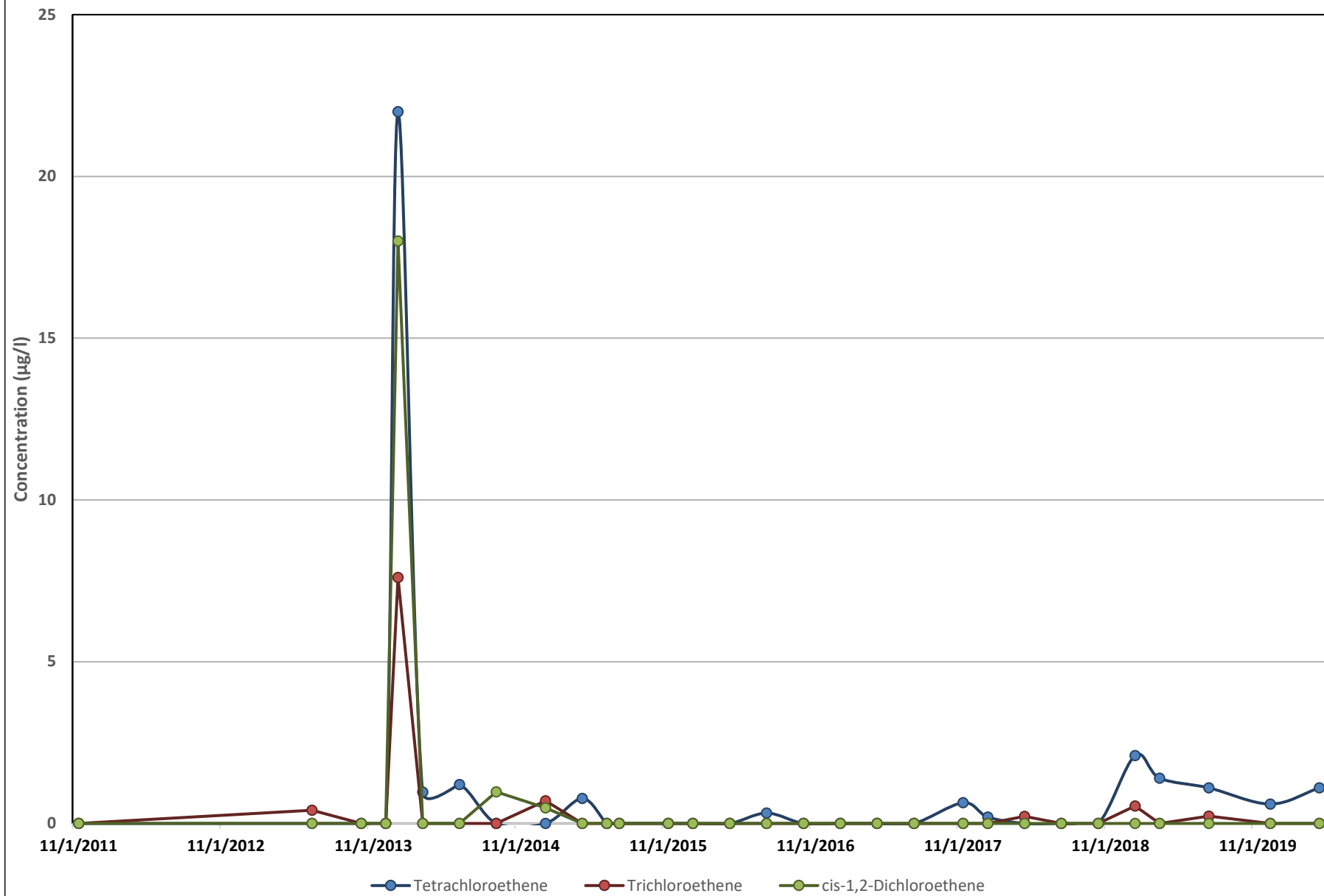




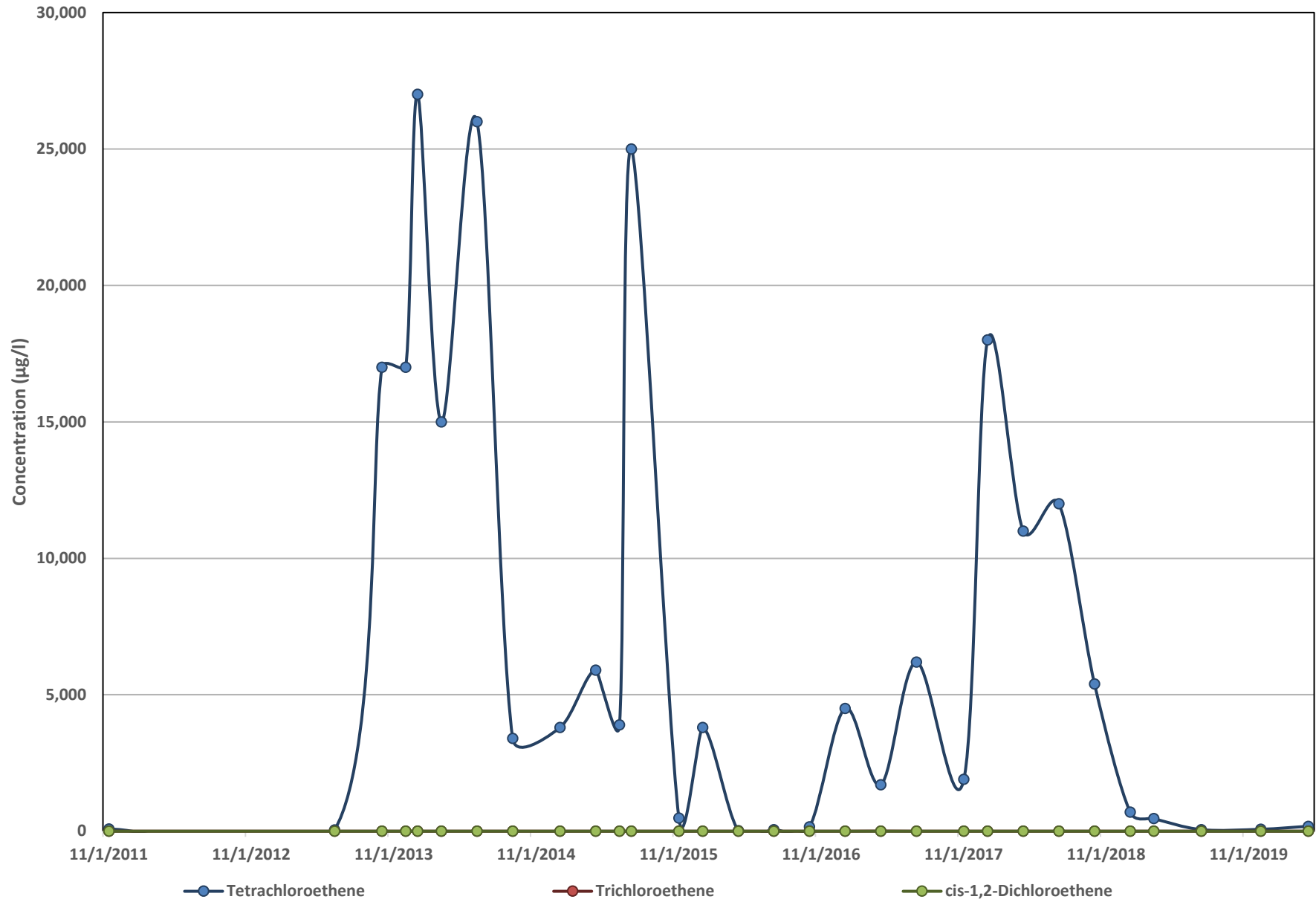
MLW-9I CVOC Trend Analysis (µg/l)



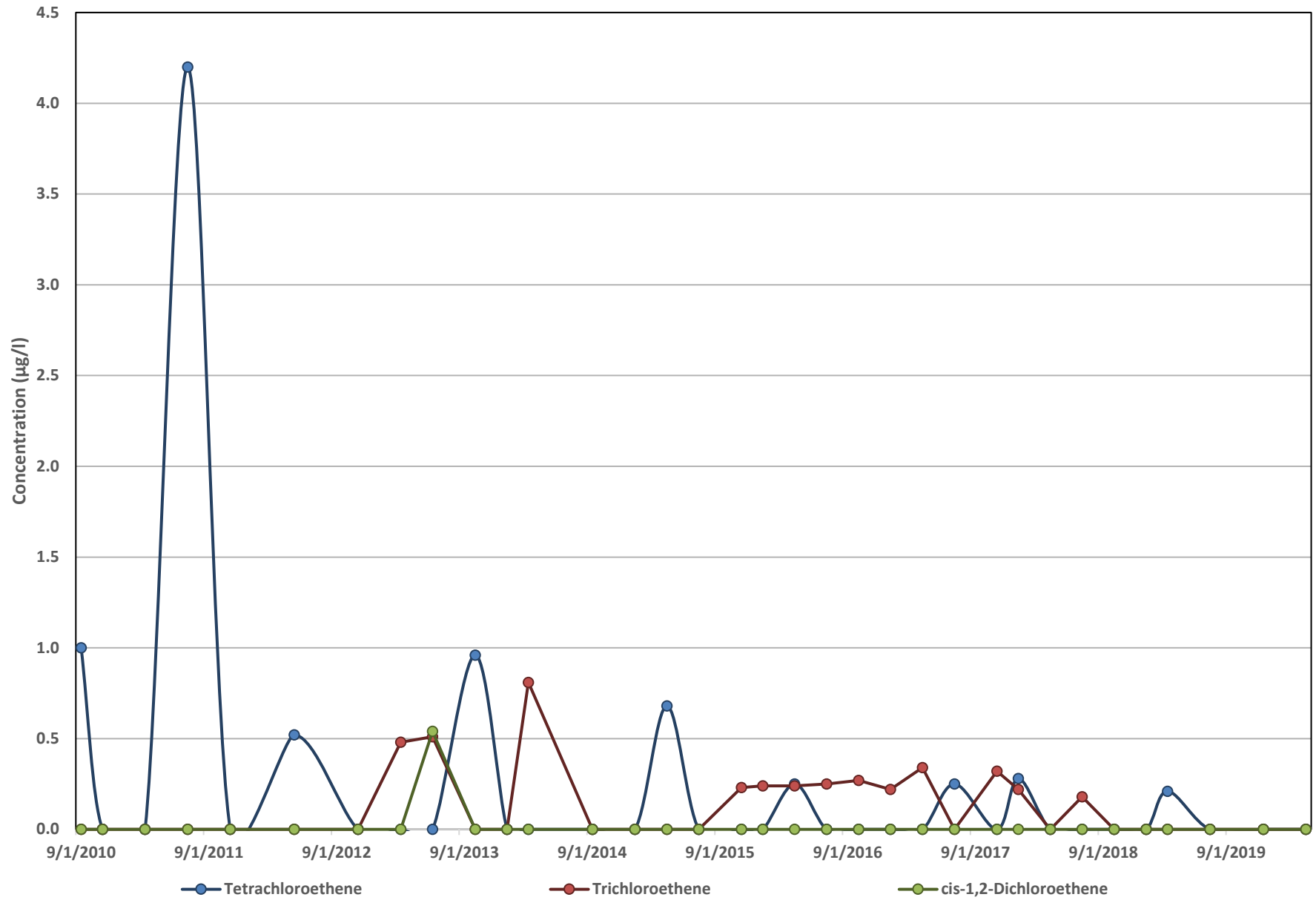
IW-2D CVOC Trend Analysis (µg/l)



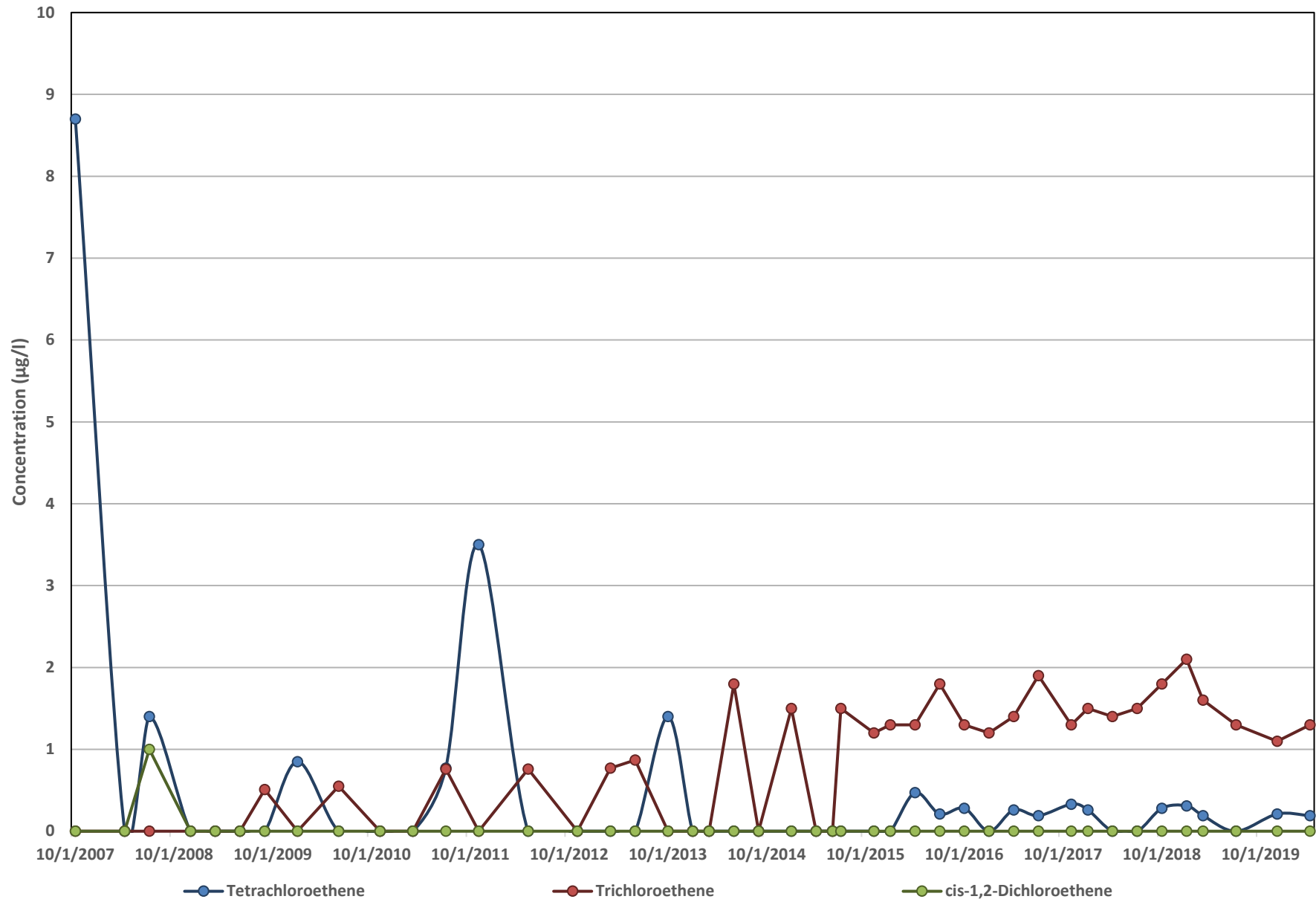
IW-3D CVOC Trend Analysis (µg/l)



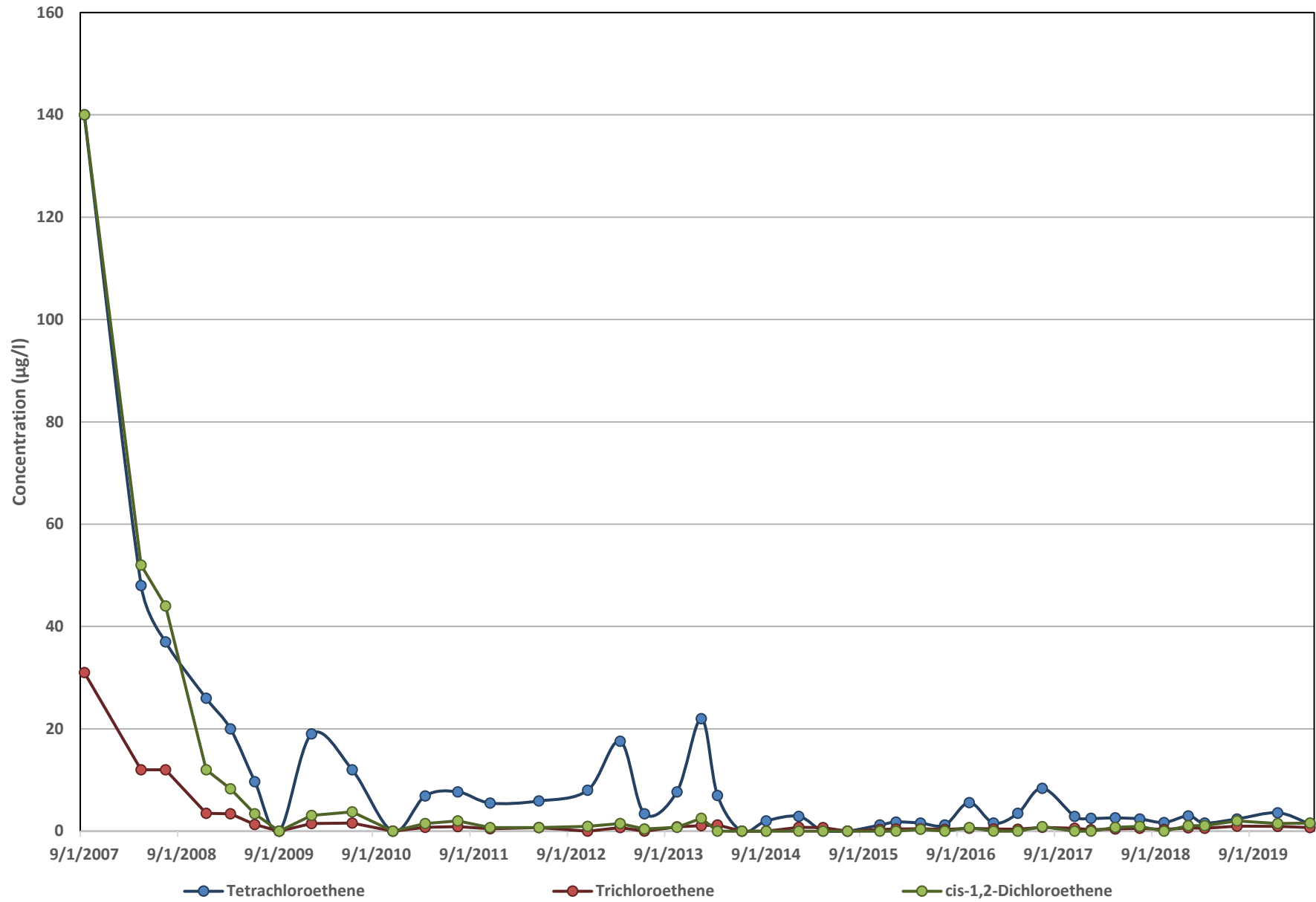
MLW-01 CVOC Trend Analysis (µg/l)



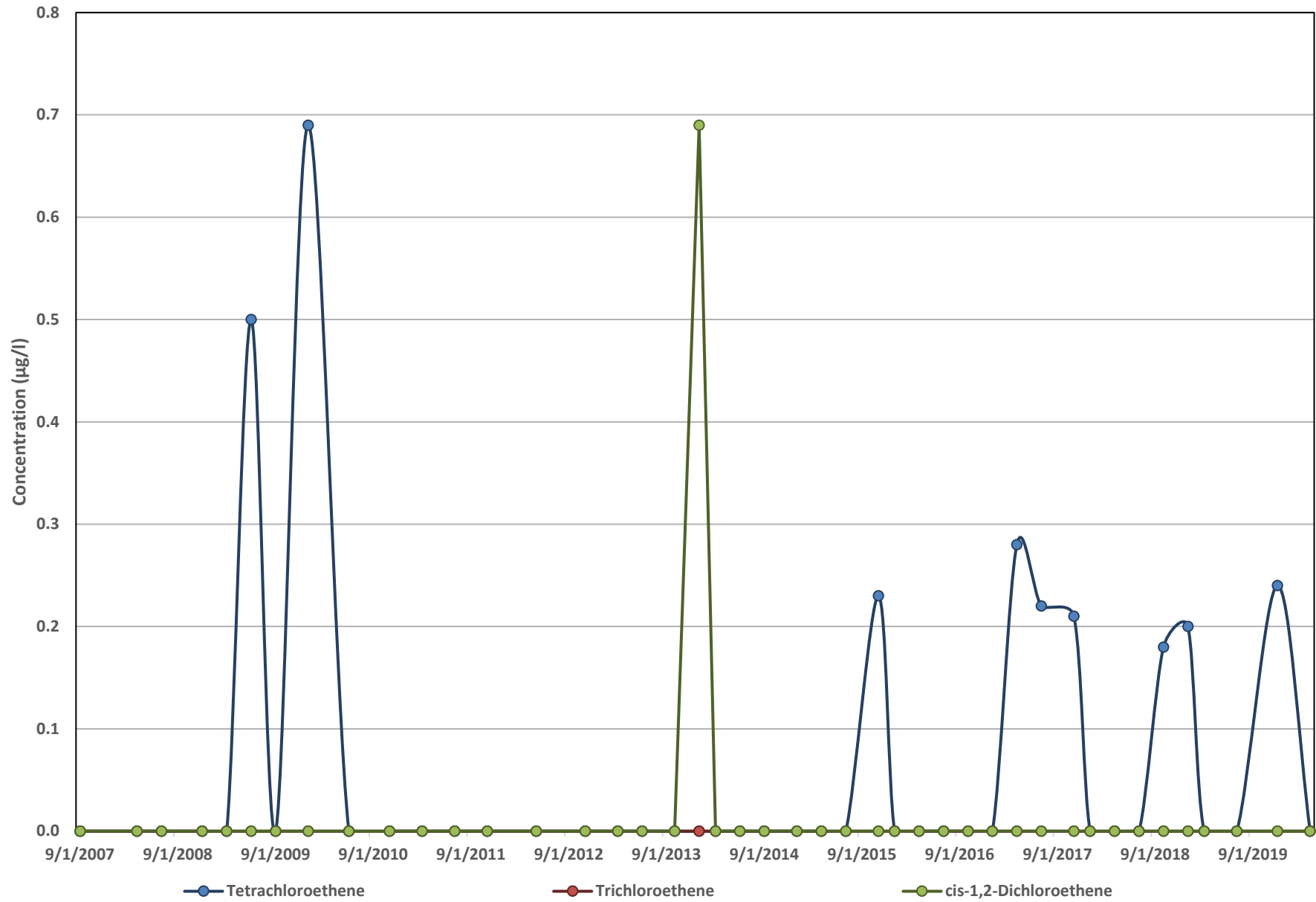
MLW-2D CVOC Trend Analysis (µg/l)



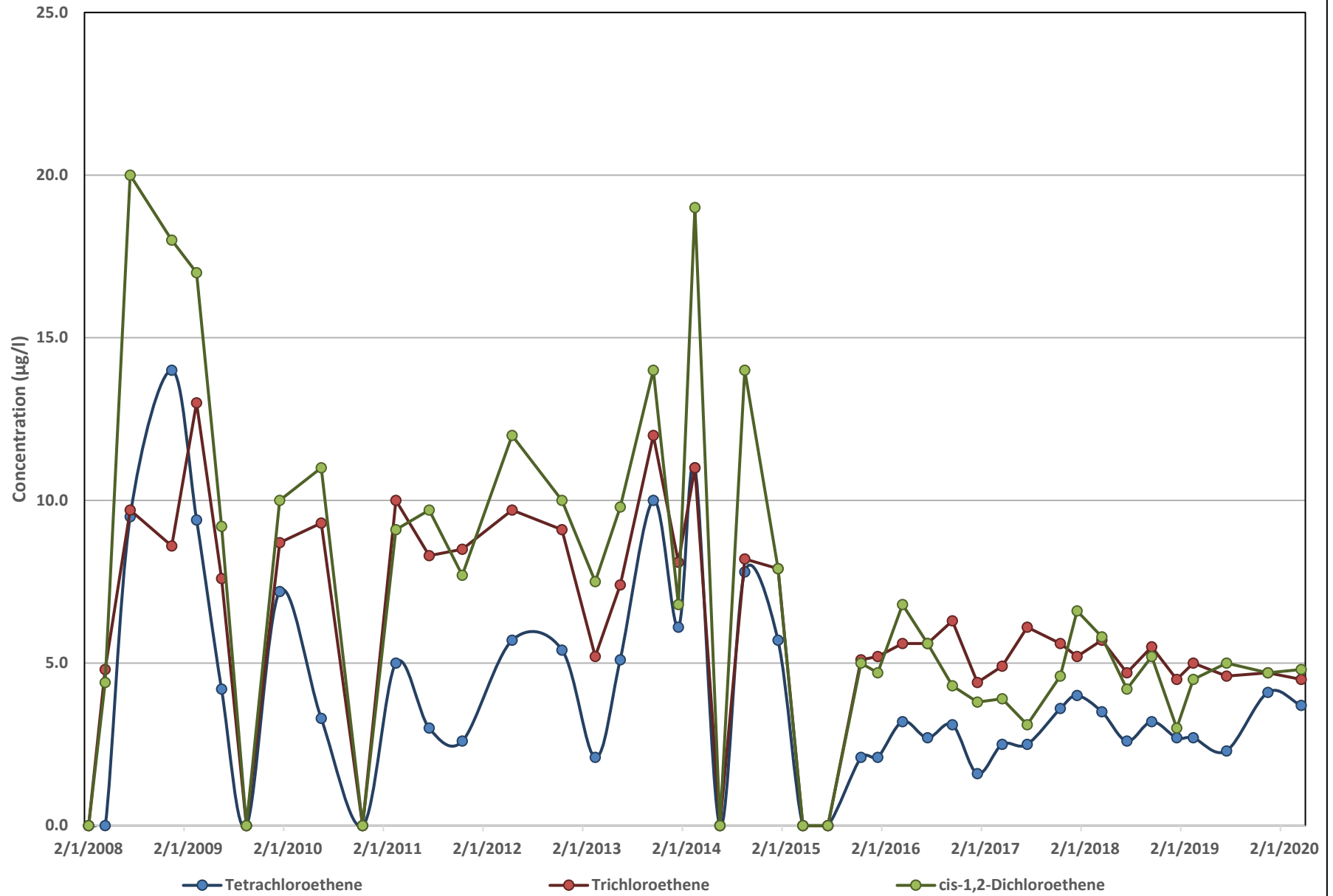
MLW-3D CVOC Trend Analysis (µg/l)



MLW-6D CVOC Trend Analysis (µg/l)

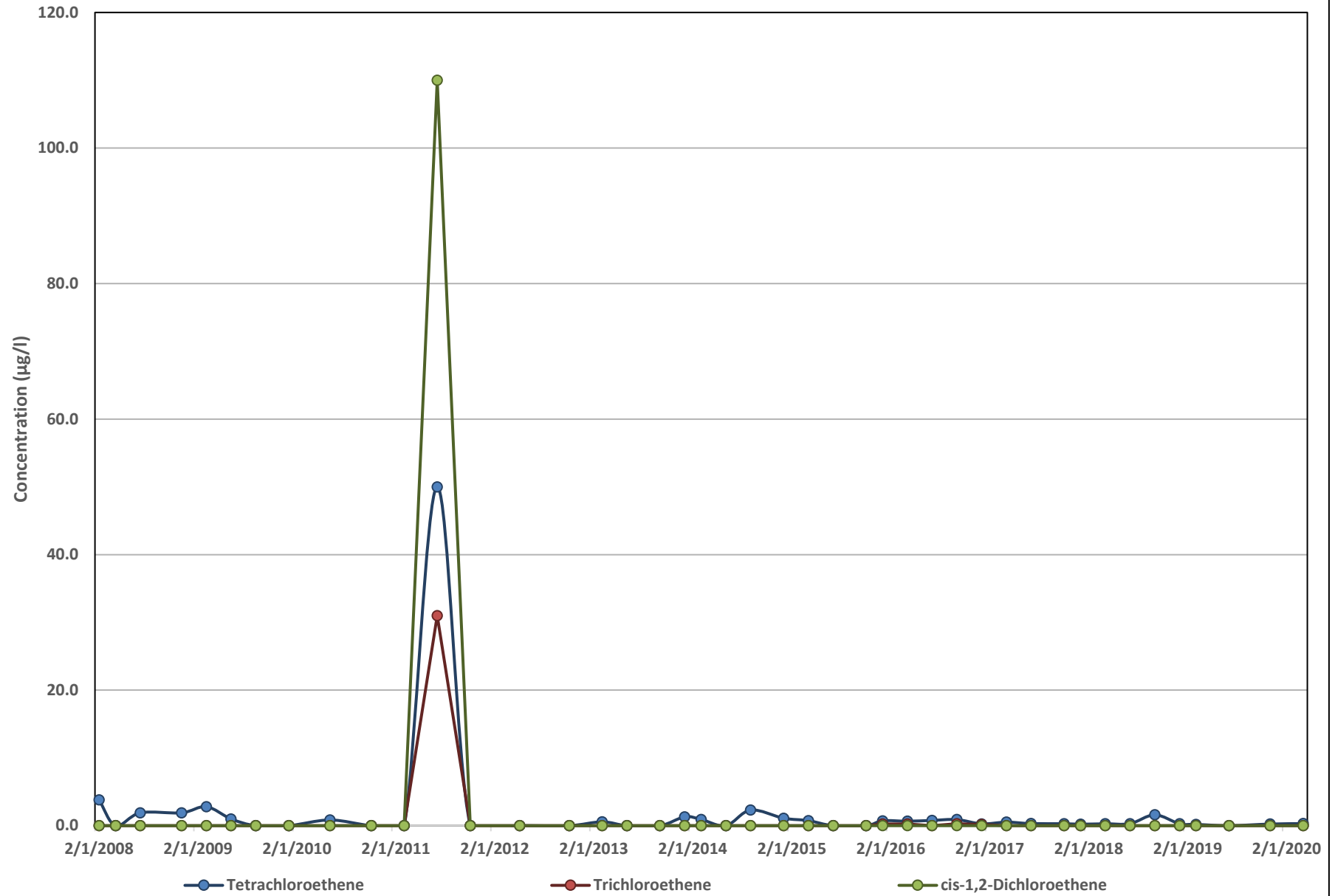


MLW-7D CVOC Trend Analysis (µg/l)

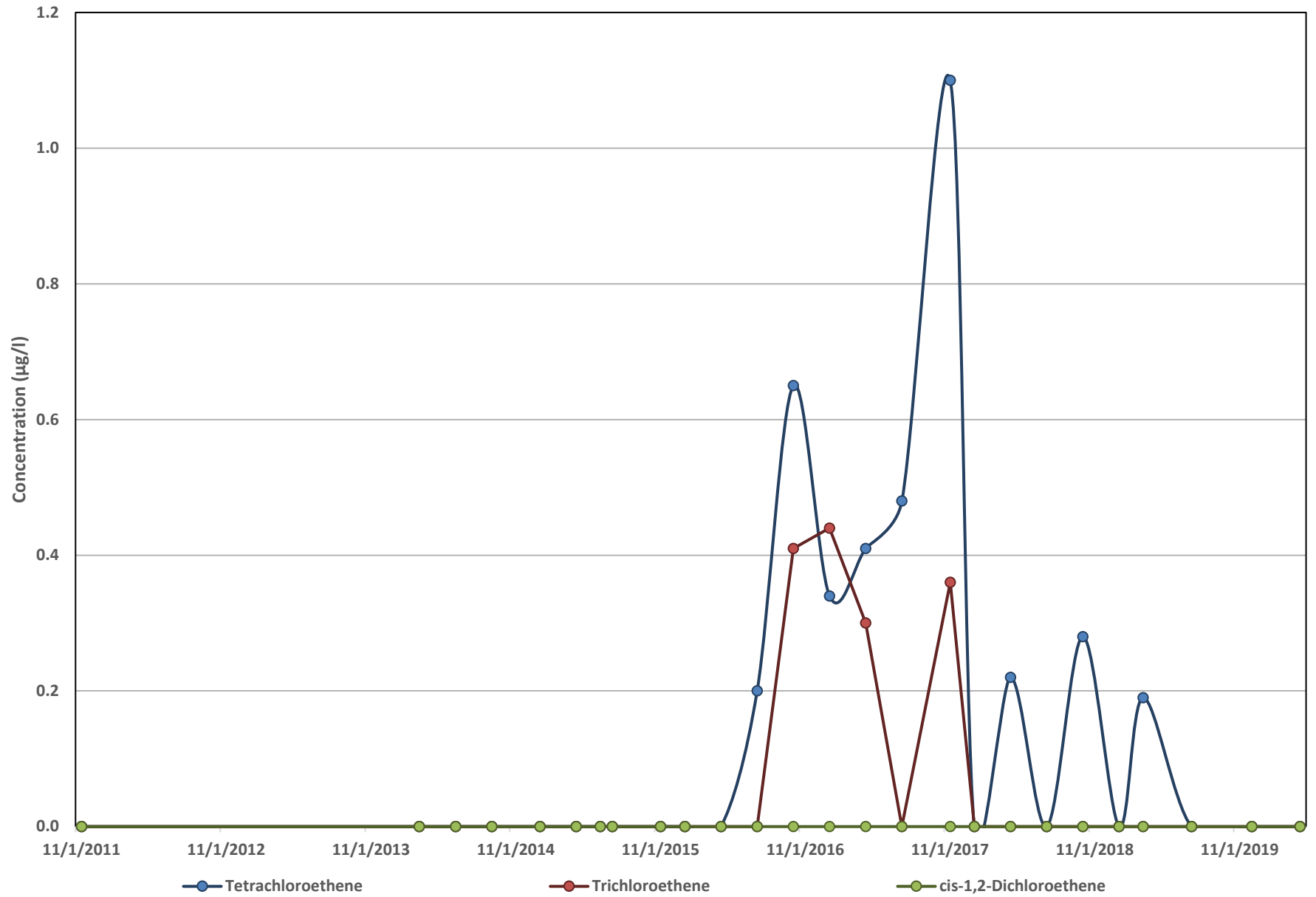




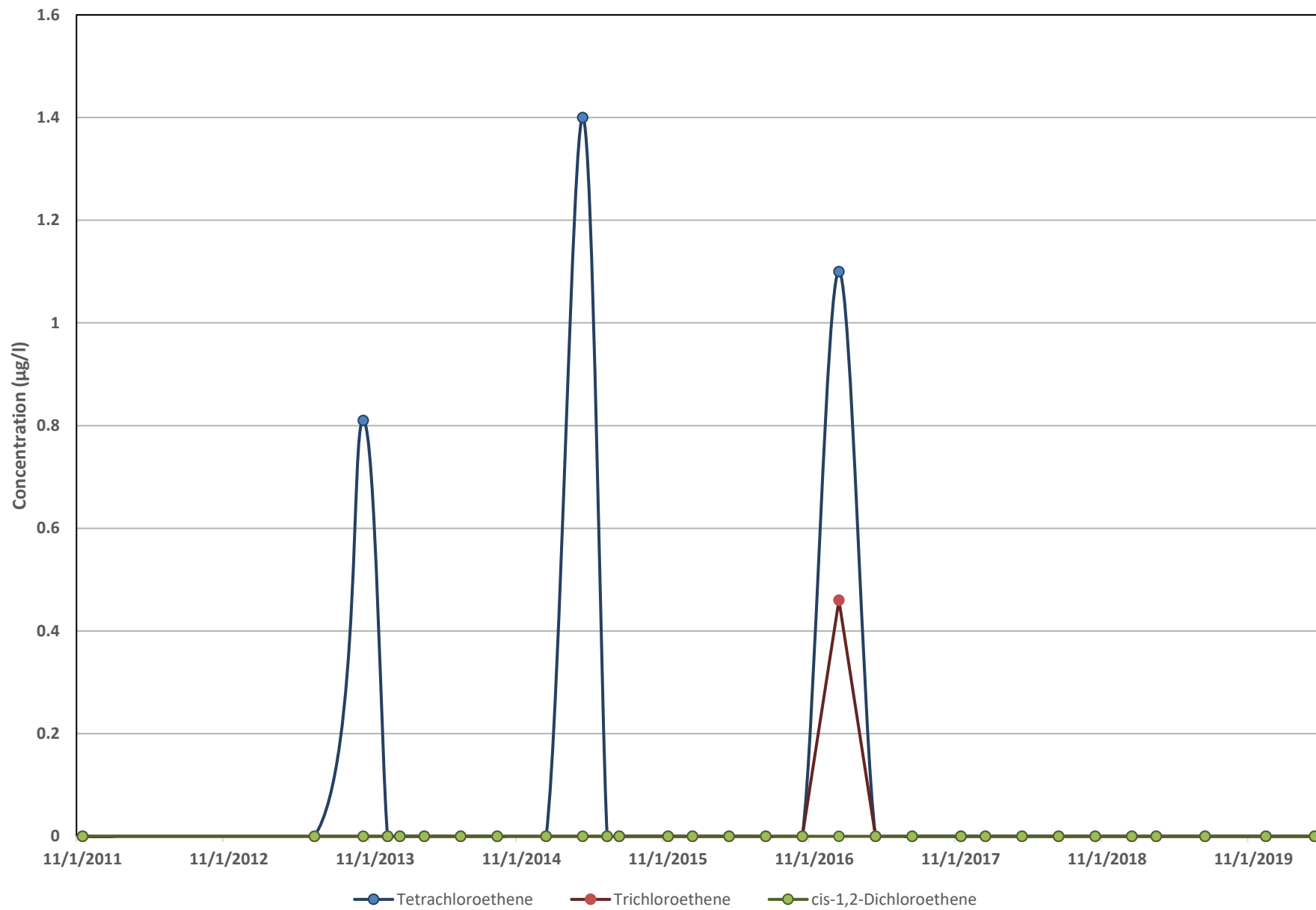
MLW-9D CVOC Trend Analysis (µg/l)



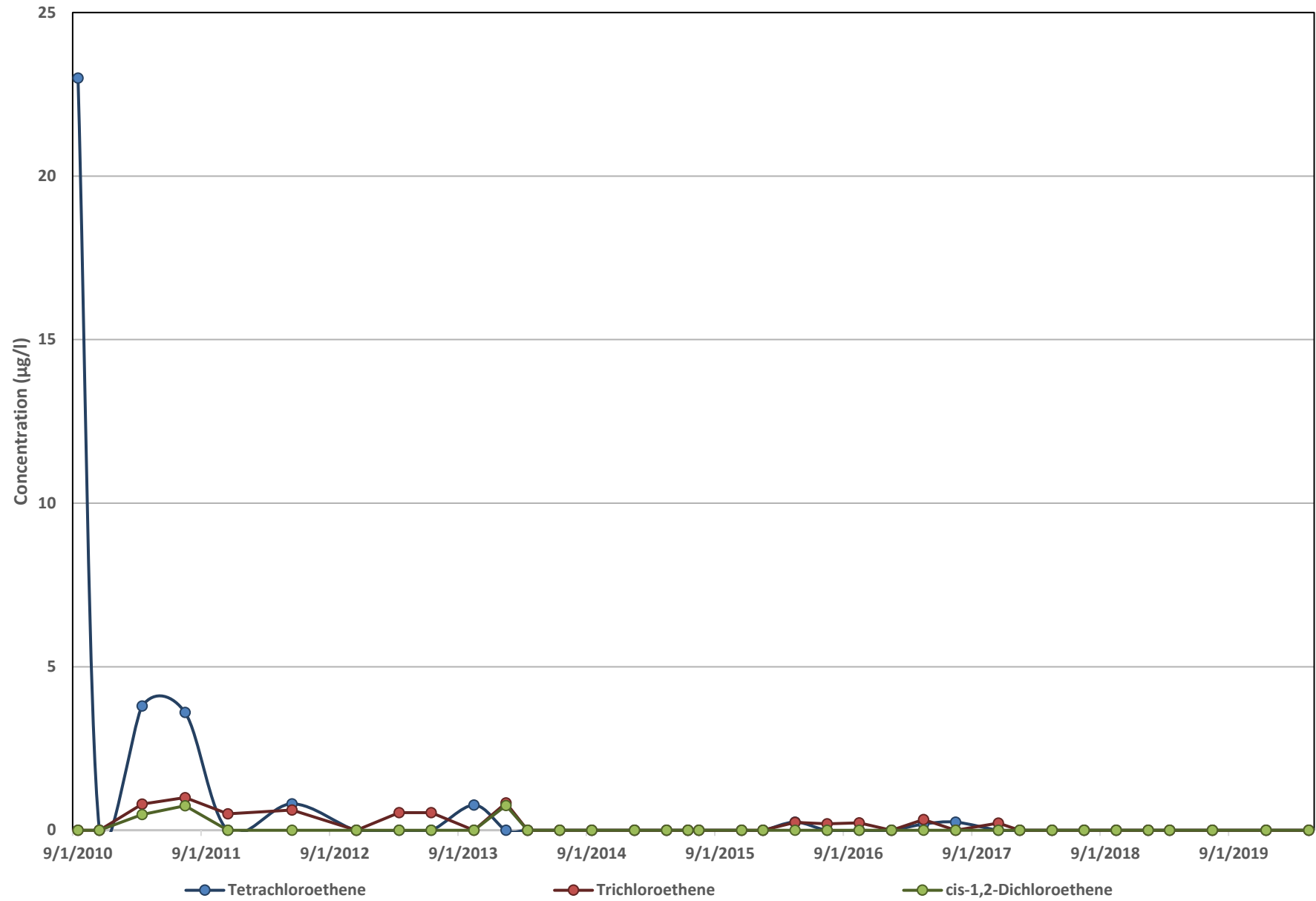
IW-1S CVOC Trend Analysis (µg/l)



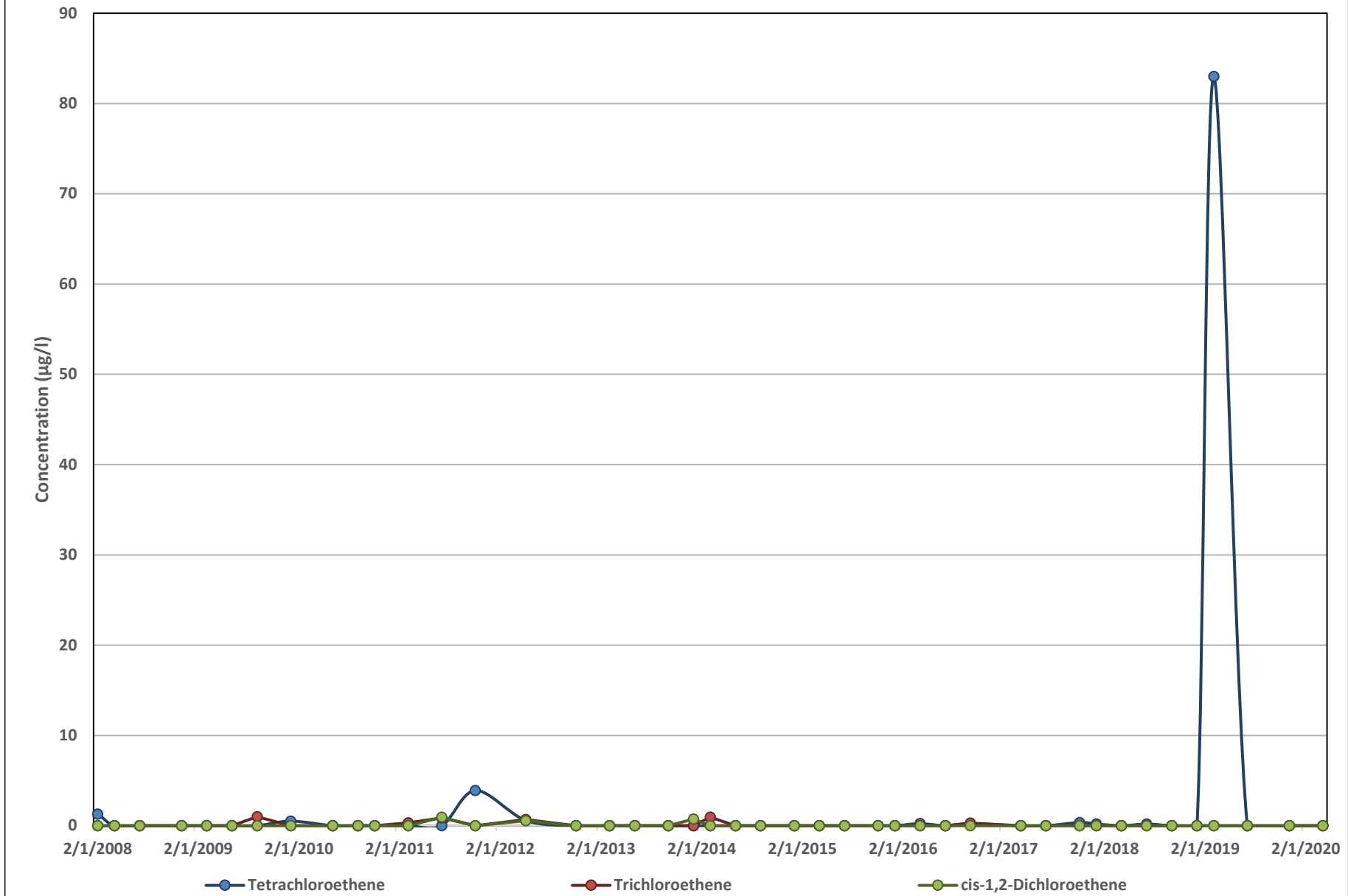
IW-3S CVOC Trend Analysis (µg/l)



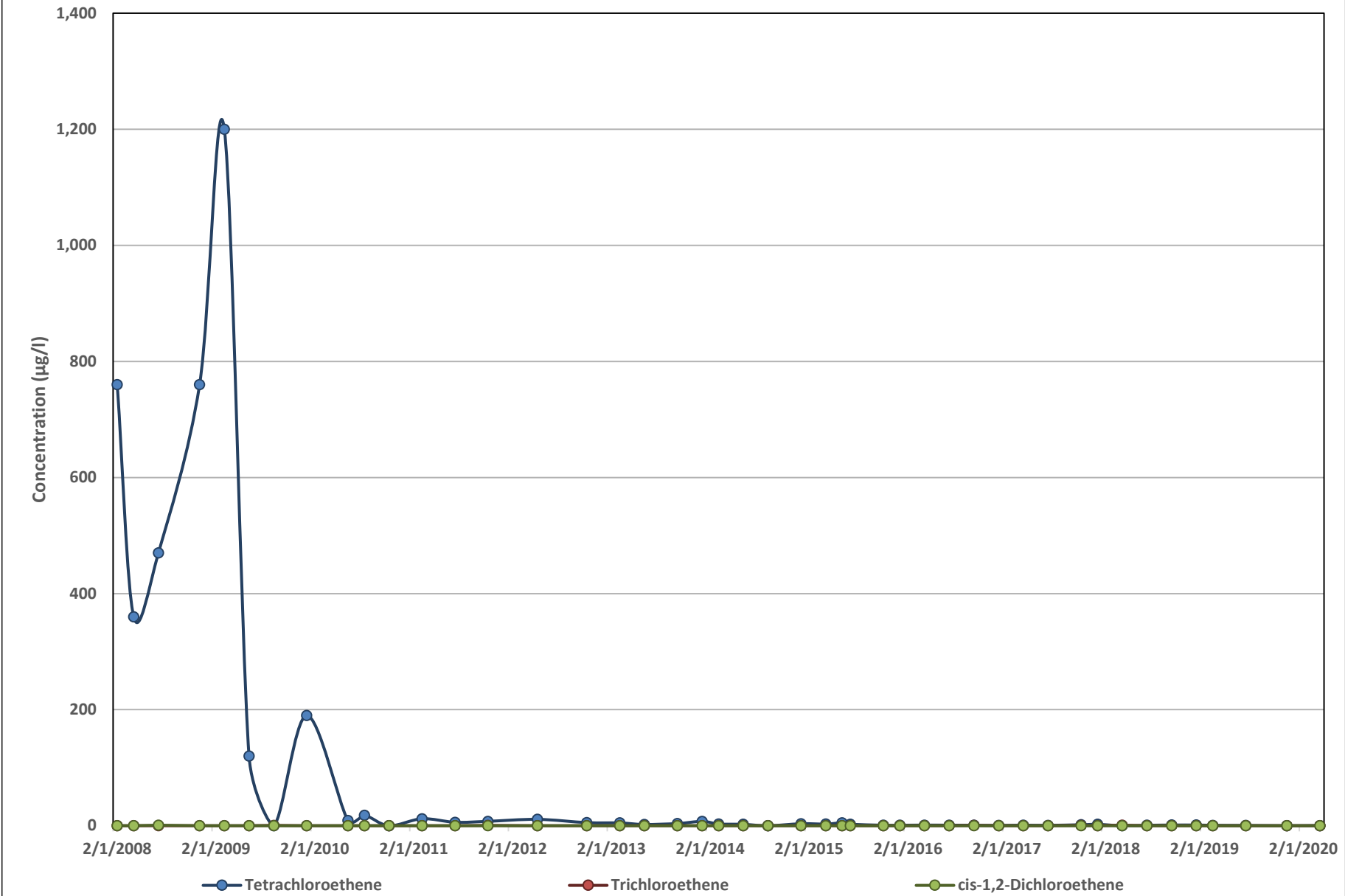
MLW-0D CVOC Trend Analysis (µg/l)



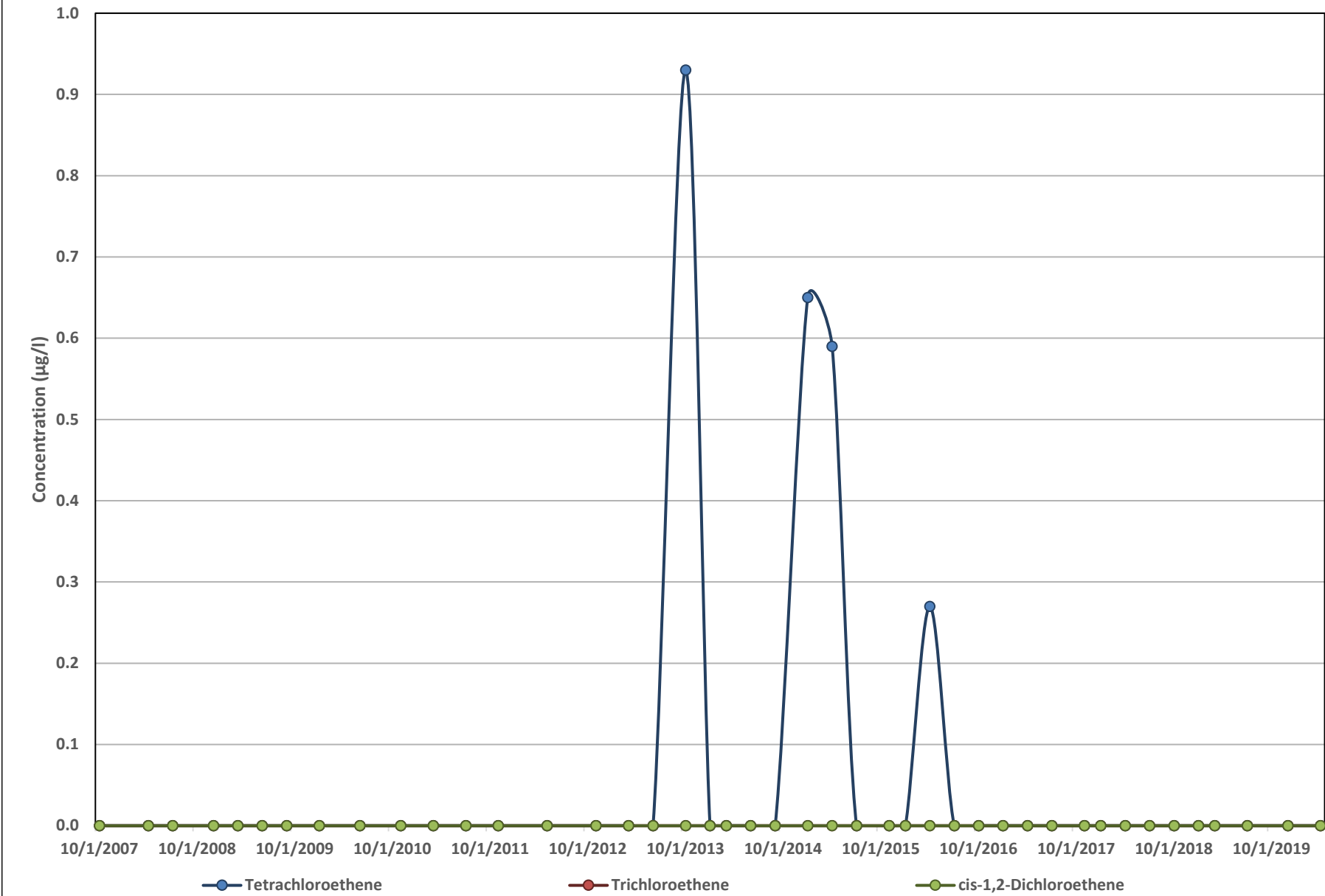
SVE-1 CVOC Trend Analysis (µg/l)



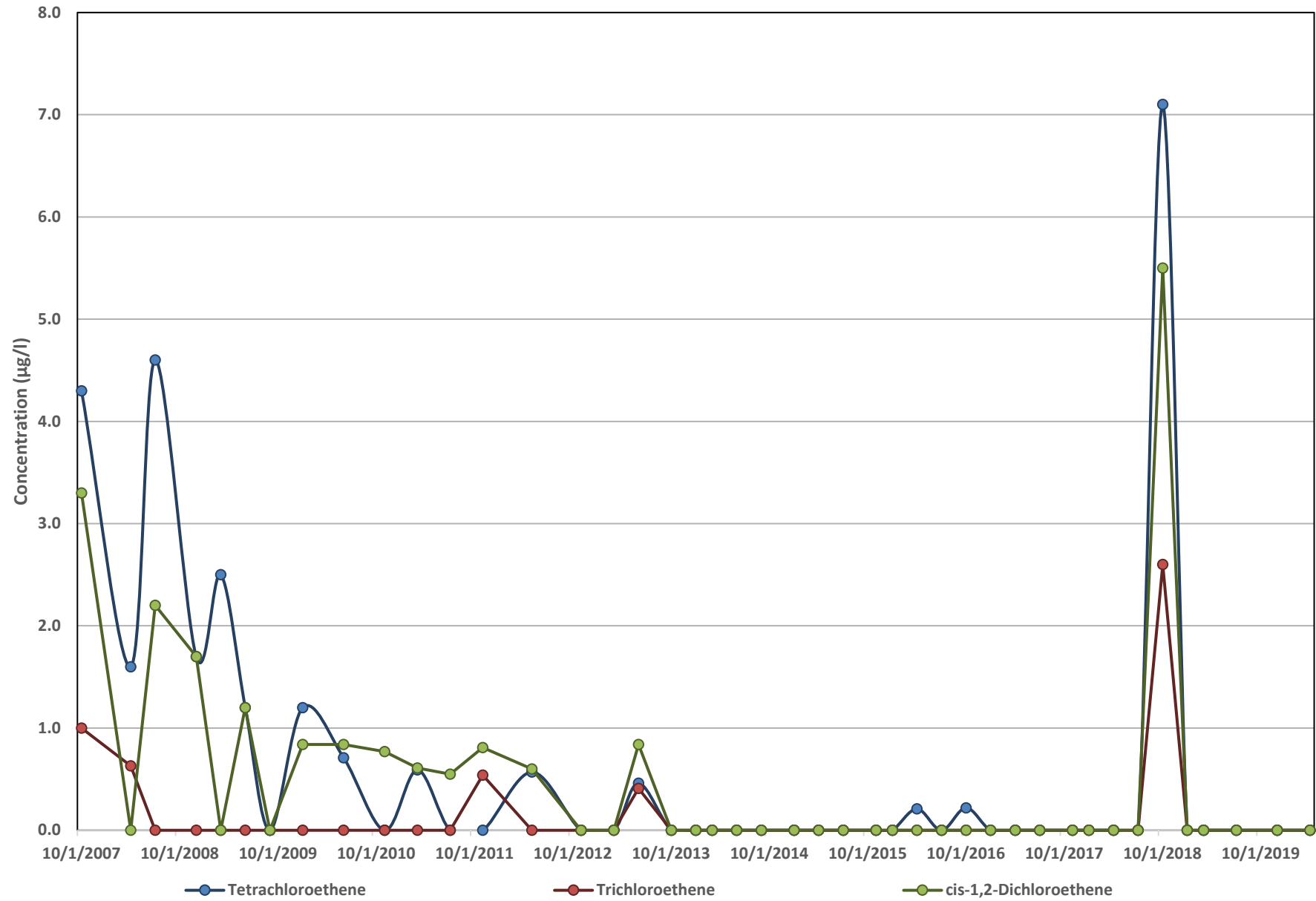
SVE-2 CVOC Trend Analysis (µg/l)



MLW-6S CVOC Trend Analysis (µg/l)

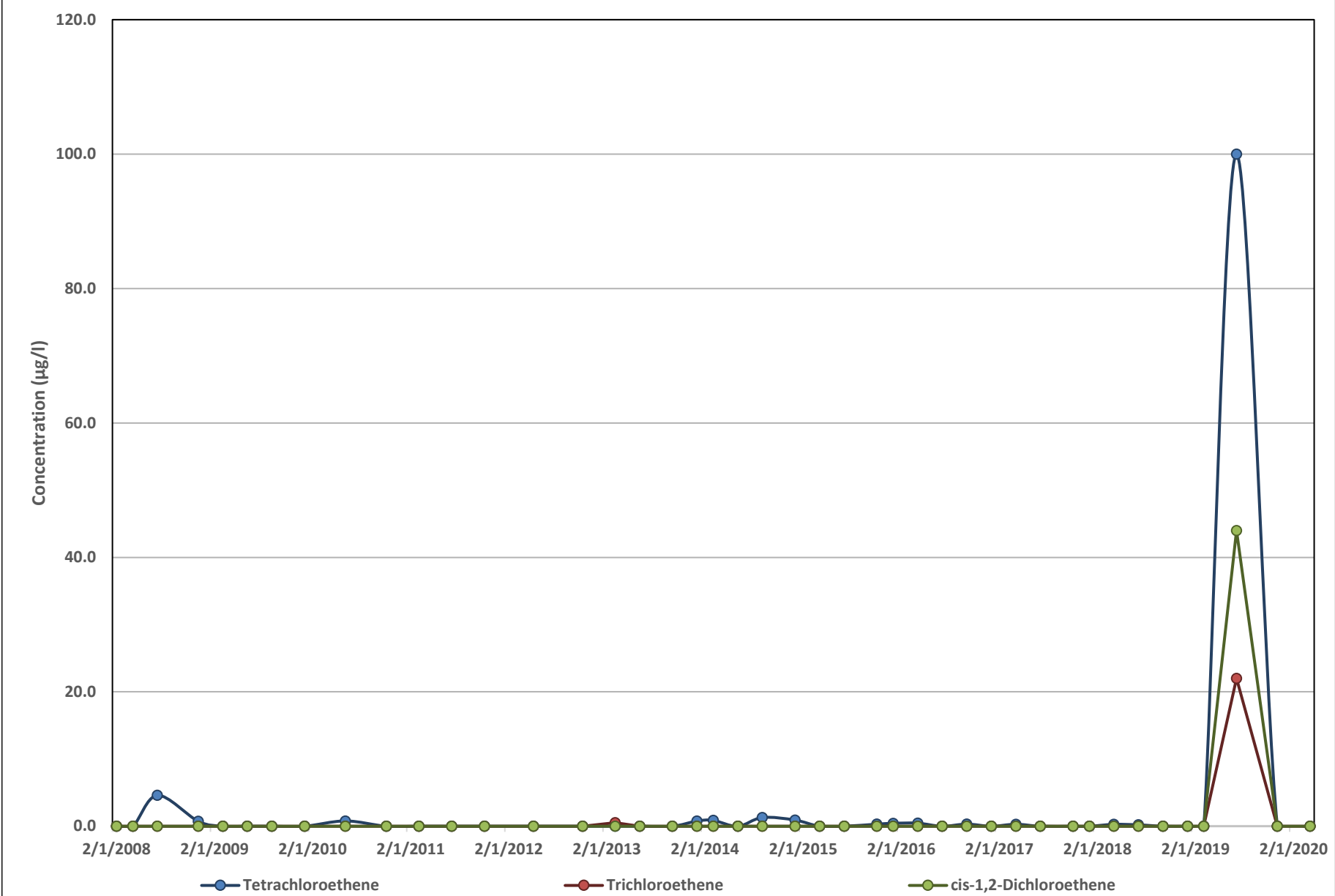


MLW-8S CVOC Trend Analysis (µg/l)





MLW-9S CVOC Trend Analysis (µg/l)



Site No.: V00347-1 – Former Melody Cleaners Site  
2050 Hempstead Turnpike, East Meadow, New York

## Appendix F

Site Management PRR Notice Institutional  
and Engineering Controls Certification Form



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. V00347

Site Name Melody Cleaners

Site Address: 2050 Hempstead Turnpike Zip Code: 11554  
City/Town: Hempstead  
County: Nassau  
Site Acreage: 0.686

Reporting Period: July 08, 2019 to July 08, 2020

YES NO

1. Is the information above correct? X ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐ X

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐ X

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐ X

**If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.**

5. Is the site currently undergoing development? ☐ X

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?  
Commercial and Industrial X ☐

7. Are all ICs/ECs in place and functioning as designed? X ☐

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

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

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

**Description of Institutional Controls**ParcelOwnerInstitutional Control**50-C-22 (portion of)**

Mr. Nicholas Capparelli

Ground Water Use Restriction  
Soil Management Plan  
Landuse Restriction  
Building Use Restriction  
Monitoring Plan  
Site Management Plan  
O&M Plan  
IC/EC Plan

- limit use and development of the property to commercial or industrial use;
- compliance with the Site Management Plan;
- restricting the use of groundwater as a source of potable or process water without necessary water quality treatment as determined by NYSDOH; and
- property owner to complete and submit to the NYSDEC a periodic certification of institutional and engineering controls.

**Box 4****Description of Engineering Controls**ParcelEngineering Control**50-C-22 (portion of)**

Cover System  
Vapor Mitigation  
Monitoring Wells

- asphalt cover system;
- monitoring site related contamination in the environment;
- fencing around active remedial systems;
- annual pressure monitoring to confirm communication of the SVE system;
- continued operation and maintenance of SVE system;
- subsequent injections of chemical oxidation to achieve groundwater objectives on-site; and
- evaluation of off-site groundwater to determine if remedial action is necessary.

**Periodic Review Report (PRR) Certification Statements**

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

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

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

YES NO

X ☐

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

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

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

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

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

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

YES NO

X ☐

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

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

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

IC CERTIFICATIONS  
SITE NO. V00347

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.

Aick Cypwell at \_\_\_\_\_  
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

[Signature]  
Signature of Owner, Remedial Party, or Designated Representative  
Rendering Certification

10/23/20  
Date

## IC/EC CERTIFICATIONS

**Box 7**

### Professional Engineer Signature

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

I Xin Yuan at 170 Keyland Court, Bohemia, NY,  
print name print business address

am certifying as a Professional Engineer for the Nicholas Capparelli, Owner  
(Owner or Remedial Party)



09-21-2020

Signature of Professional Engineer, for the Owner or  
Remedial Party, Rendering Certification

Stamp  
(Required for PE)

Date