

**540 SMITH STREET
FARMINGDALE, NEW YORK
BLOCK 400, LOTS 8005 & 208
NYSDEC SITE NO. 1-52-147**

**APRIL 2020 TO JUNE 2021
PERIODIC REVIEW REPORT**

Submitted to:



New York State Dept of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A
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Albany, New York 12233-7015

Prepared for:

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**PERIODIC REVIEW REPORT
SITE NO. 1-52-147**

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GRAPHS

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CERTIFICATION

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

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
• The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;
• Nothing has occurred that would impair the ability of the control to protect the public health and environment;
• Nothing has occurred that would constitute a violation or failure to comply with Operation, Maintenance and Monitoring Program for this control;
• Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
• The engineering control systems are performing as designed and are effective;
• To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and
• The information presented in this report is accurate and complete.

I certify that information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Gerry Rosen, PE, of 630 Johnson Avenue, Bohemia, NY 11716, am certifying as the Owner's Designated Site Representative for the Site.

Handwritten name: PAUL K. BOYCE
Name
074604
PE License Number
Handwritten signature: Paul Boyce
Signature
10/22/2021



1.0 INTRODUCTION

This *Periodic Review Report* (PRR) has been prepared by P.W. Grosser Consulting Inc. (PWGC) on behalf of Minmilt Realty Corporation. The overall objective of this report is to document routine operation and maintenance activities, system monitoring, and remedial activities from April 1, 2020 to June 30, 2021 in accordance with the Operation and Maintenance (O&M) of the Interim Remedial Measure (IRM) at the Minmilt Realty site (New York State Department of Environmental Conservation [NYSDEC] Site No. 1-52-147). The site has been reclassified from a Class 2 hazardous waste site to a Class 4 site. A Class 4 site is a hazardous waste site that has been properly closed, however requires continued site management consisting of operation, maintenance and/or monitoring. Results of the routine operation and maintenance activities and system monitoring are used to maintain effective system operation, monitor compliance with applicable discharge permits, and monitor the effectiveness and progress of site remediation. A detailed description of the monitoring procedures and schedules is discussed in the *Draft Site Management Plan (SMP) for Minmilt Realty, East Farmingdale, New York*, that was prepared by PWGC in February 2020 and is currently under review by the New York State Department of Environmental Conservation (NYSDEC). The current OM&M Program was based upon, and ultimately replaced, the *Operation and Maintenance Program for the Interim Remedial Measure at Minmilt Realty, East Farmingdale, New York, October 1996, revised March 1997, (O&M Program)*, prepared by PWGC and *Operation Maintenance and Monitoring Program for the Approved Remedial Measure at Minmilt Realty, East Farmingdale, New York, (OM&M Program)* that was prepared by PWGC and approved by NYSDEC in December 2004. It is anticipated that the Draft SMP will replace the current O&M Program in the near future once it has been finalized and accepted by NYSDEC.

This PRR documents system operation, maintenance, remediation, and sampling activities performed at the site from April 1, 2020 to June 30, 2021 including a source area investigation in May 2020 and the institution of a bioremediation program in October 2020. As per the most recent OM&M program approved in 2020, the content of the quarterly reports and sampling for this period has been reduced and calls for the monthly sampling of the combined influent and effluent of the groundwater treatment system, as well as quarterly sampling of the influent water for the two individual recovery wells connected to the system. However, in order to monitor the effectiveness of the bioremediation program, sampling of each of the individual recovery wells as well as the combined influent and effluent was sampled monthly after October 2020. The groundwater treatment system was activated only for two to four hours each month for the purpose of sample collection following the application of the Bioremediation Program in October 2020. With the exception of these two to four hour activation periods each month, the system has been off. The reason for keeping the system off was to avoid removing the applied bioremediation chemicals from the targeted area of elevated PCE impact within the subsurface as the recovery wells are located immediately downgradient of the injection zones. To monitor that impact has not migrated off site as the system was inactive, samples were collected from downgradient monitoring wells on a monthly basis following the application of the bioremediation program in October 2020.

Influent air samples from the Soil Vapor Extraction (SVE) system have been collected semi-annually including June 2020, December 2020, and June 2021. Groundwater samples have been collected every fifth quarter from the network of groundwater monitoring wells, which includes MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, SP-3, SP-4, SP-5, SP-6, GW-1, GW-2, GW-3 and a well owned by Suffolk County Department of Health Services (SCDHS). The last site-wide groundwater sampling round occurred on June 23, 2021.

1.1 SITE DESCRIPTION

The Minmilt Realty Site (Site) is a 2.28-acre industrial property located at 540 Smith Street, East Farmingdale, New York between New Highway and Wellwood Avenue. The site is improved with a 47,103.6 square feet single-story building with paved driveways and parking lots located on the southern, western, and eastern sections of the site. Refer to **Figure 1 – Site Location Map**.

The Site is currently owned by Minmilt Realty Corp. The building was formerly leased by Hygrade Metal Moulding until June 30, 1997 and remained vacant until November 1997, when it was leased by J. D’Addario & Company, Inc, who remains the building’s occupant.

The building located adjacent to the subject site to the east was formerly used by Great Neck Saw, a manufacturer of metal tape measures, as well as J. D’Addario & Company, Inc. as a storage warehouse, and is currently occupied by Ambassador Book Service.

The property located directly south of the Site was historically occupied by Cantor Brothers, a chemical repackaging and handling facility, which is on the NYSDEC List of Inactive Hazardous Waste Disposal Sites (Site No. 1-52-021). A remedial investigation was performed at the former Cantor Brothers site and a remedial measure consisting of three SVE wells was initiated in June of 1998. As of June 14, 2001, the Cantor Brothers SVE system has been shut down. In September 2015, the Cantor Brothers site was reclassified to a Class 4 site. It is currently occupied by PL Developments as a distribution center of over-the-counter pharmaceuticals products and consumer healthcare goods.

The section of East Farmingdale that the Site is located is predominantly industrial and commercial. Further east is Pinelawn National Cemetery and further south is Pinelawn Memorial Park Cemetery. There are several additional Inactive Hazardous Waste sites, as well as sites under NYSDEC and Suffolk County Department of Health Services (SCDHS) consent orders for environmental clean-ups in the immediate area. The site's potable water is provided by the East Farmingdale Water District. Wastewater from the site is discharged to the municipal sewer. Investigations in the immediate vicinity of the site are discussed in the *Investigation Report for Hygrade Metal Moulding Corp., 540 Smith Street Farmingdale, New York 11735, March 1993, revised January 1994 (Investigation Report)*, prepared by PWGC.

1.2 SITE HISTORY

The site was used for agricultural purposes prior to 1965. The onsite building, currently owned by Minmilt Realty, was constructed in 1965 and the property was subsequently occupied by Hygrade Metal Moldings (Hygrade). Hygrade manufactured metal mouldings from strip metals used in construction of windows and other finish products. Prior to 1983, Hygrade used a vapor degreaser, which included a tetrachloroethene (PCE) component, to clean metal parts. The use of this vapor degreaser was terminated in 1983.

An Order on Consent (No. IW-91-0021) was issued to Minmilt Realty by the Suffolk County Department of Health Services (SCDHS) in January 1992. SCDHS alleged that Minmilt Realty caused or permitted the discharge of toxic or hazardous material to an onsite leaching pool in violation of Section 760-1205 of Article 12 of the Suffolk County Sanitary Code. The referenced leaching pool has been reported to have received periodic discharges from the vapor degreaser, which contained PCE.

In response to the SCDHS Order on Consent, a soil and groundwater investigation was conducted by PWGC under subcontract to Middleton, Kontokosta Associates (MKA) in 1994. The objective of the investigation was to identify on site contamination and associated source areas resulting from the alleged discharges. The soil and groundwater investigation identified significant soil contamination present in the subsurface on the east side of the building. The contamination was primarily PCE and was detected at concentrations high enough to classify some of the soil material as hazardous. PCE concentrations were found to increase with depth towards the water table. At the time, it was estimated that approximately 5,500 cubic yards of soil had been impacted. In addition, PCE was detected in the groundwater beneath the site in excess of permissible NYSDEC standards. Contaminated soils were suspected to be the primary source of PCE in the groundwater. The PCE plume was determined to extend down-gradient to at least the southern property line and vertically to at least 80 feet below grade (40 feet below the water table). The soil and groundwater investigation also determined that background and upgradient groundwater quality in the vicinity of the site was also degraded, indicating the presence of other upgradient sources of contamination.

In 1995, under the oversight of the NYSDEC, a RI was performed. No additional sources of PCE were identified by the remedial investigation at the Site. The vertical extent of the groundwater plume was determined to exist into the Magothy Aquifer to a depth of approximately 185 feet below grade, where it is contained by a clay layer. In addition, on-site monitoring well MW-3 was found to contain a mixture of fuel oil and PCE in a non-aqueous state.

To expedite the clean-up of the site and minimize further degradation of groundwater quality, an interim remedial measure (IRM) was proposed consisting of a soil vapor extraction (SVE) and groundwater remedial combination system to remove the contamination. Construction of the IRM was initiated in August 1996 and completed in February 1997.

Subsequently, the Final Offsite RI was completed, and the Record of Decision (ROD) signed, accepting the IRM as the final remedy. The ROD identified three site goals:

- Goal No. 1 - Eliminate, to the extent practicable, off-site migration of groundwater that does not attain NYSDEC Class GA Ambient Water Quality Criteria;
- Goal No. 2 - Eliminate, to the extent practicable, exposures to on-site contamination through the remediation of volatile organic compounds (VOCs) in subsurface soils; and
- Goal No. 3 - Eliminate, to the extent practicable, the migration of site contamination into the groundwater.

PWGC prepared a modified Operation Monitoring and Maintenance (OM&M) plan based upon the offsite RI and the ROD. Minmilt Realty Corp. signed a new Order on Consent on October 24, 2003 addressing the continuing groundwater and soil monitoring at the site.

To further assess the nature of the remaining impacts at the site, PWGC conducted a vertical profile investigation south of MW-3 during 2009. This investigation identified PCE at concentrations up to 84,000 ug/l. High concentrations were primarily observed in the Magothy Aquifer between 120 feet and 130 feet below grade and were rather limited to this area, with concentrations rapidly dropping off in each of the surrounding step-out borings conducted by PWGC. The results of the vertical profile investigation documented that the greatest groundwater impacts were located within the Magothy Aquifer, just south of MW-3.

PWGC oversaw installation of a new Magothy well (Magothy Extraction Well No. 4) onsite and south of MW-3 during the first quarter of 2012 to target the contamination identified in the 2009 vertical profile investigation. The well was installed with 6" diameter casing, screened from 103 to 163 feet below grade. PWGC subsequently determined that Magothy Extraction Well No. 4 had replaced Magothy Extraction Well No. 2 in remedial capacity, rendering Magothy Extraction Well No. 2 unnecessary. After receiving permission from the NYSDEC, original Magothy Extraction Well No. 2 was placed out of operation during the first half of 2014. During June/July 2015, a new onsite Upper Glacial well (Upper Glacial Extraction Well No. 3) was installed and placed into operation. This well was designed with 30 feet of screen set from 68.5 to 98.5 feet below grade. This depth coincides with, and targets, the highest remaining impacts in the Upper Glacial aquifer, based upon the results of PWGC's 2014 vertical profile investigation. System mass removal rates increased to the highest since 2008 indicating that the new extraction wells (Upper Glacial Extraction Well No. 3 and Magothy Extraction Well No. 4) are effectively treating the remaining groundwater impact. In March 2015, both off-Site extraction wells (Upper Glacial Extraction Well No. 1 and Magothy Extraction Well No. 2) were decommissioned and abandoned. Due to a drop in the PCE removal rate, the onsite SVE system was put on a pulsed pumping schedule (i.e., 2 weeks on, 2 weeks off) in 2016.

A subsurface investigation performed in May 2020 which included three soil borings to a depth ranging from 170 to 180 feet below grade delineated the vertical extent of PCE contamination on the eastern side of the property in the soil which was determined to be source contributing to the ongoing PCE impact being observed in the recovery wells. The “hot spot” of PCE impact was identified to be located 80 to 95 feet below grade adjacent to the drywell which had historically been impacted. A boring performed approximately 80 feet down gradient of this ‘hot spot’ also identified two intervals of impact, albeit at lesser concentrations than the ‘hot spot’, at 80 to 95 feet below grade and 115 to 135 feet below grade. The findings of this investigation were documented in the July 2020 Soil Investigation of Historical Source Area Report which was provided to NYSDEC. Based on the findings of this investigation, a Bioremediation Program Work Plan was prepared and submitted to NYSDEC in August 2020 to outline the scope of work associated with the in situ chemical injections documented in this report. The Bioremediation Program Work Plan was approved by NYSDEC in September 2020. A detailed description of the subsurface investigation activities is provided in Section 5 of this PRR, and the locations and results of this investigation are illustrated on **Figure 3**.

In October 2020, a bioremediation program was implemented at the Site. The objective of the activities performed was to apply bioremediation chemicals within the defined “hot spot” of PCE contamination located on the eastern side of the site, as well as in the less impacted “down-gradient barrier zone.” The chemicals applied to the “hot spot” were used for the goal of enhancing biodegradation of PCE compounds entrained in the subsurface and to reduce contamination to the extent that the remediation systems operating at the site are no longer warranted. The chemicals applied to the “down-gradient barrier zone” were used with the goal of forming a secondary zone of bioremediation activity to limit the capacity for PCE to migrate off site and to address the less severe PCE impact documented at this location. Due to the likelihood that the applied chemicals would be greatly affected by artificially enhanced groundwater velocities and potentially removed from the targeted treatment zones through the nearby recovery wells, the treatment system has largely remained off since the implementation of the bioremediation program. This is to allow the applied chemicals to have sufficient time in the targeted areas to react and allow the “downgradient barrier zone” to remain in place to mitigate against impact from migrating off site during this time. The activities performed as part of the bioremediation program are detailed in the January 2021 Bioremediation Program Report which was submitted to NYSDEC. A detailed description of the bioremediation program its effects is provided in Section 6 of this PRR, and the injection locations included in the bioremediation program are illustrated on **Figure 4**.

2.0 OPERATION, MAINTENANCE AND MONITORING (OM&M) PROGRAM COMPLIANCE

An annual evaluation of site conditions has been conducted. The OM&M plan implemented for the site during the period documented by this PRR consisted of the following activities (Please note that additional sampling measures not included in the scope of the PRR are included):

Monitoring Program	Frequency
Collect synoptic groundwater measurements from groundwater monitoring wells	Quarterly
Collect influent and effluent samples from the groundwater remedial system	Monthly
Maintenance/corrective actions	As needed
Collect influent samples from each individual extraction well	Quarterly (Performed monthly following the application of injections)
Collect influent samples from the SVE system	Semi-Annual
Collect groundwater samples from active monitoring wells, the SCDHS monitoring well, and the Multi-Level Well	Every 5 th Quarter (MW-8 and MW-9 were sampled monthly following the bioremediation program)

As approved by the NYSDEC in January 2019, quarterly reports documenting OM&M implementation were eliminated; only analytical results were submitted to the NYSDEC under a cover letter each quarter of the period documented by this PRR. Instead, applicable O&M activities, remedial system repairs, monitoring well gauging results and data associated with the remedial systems are provided in this document.

As approved by the NYSDEC during the 4th Quarter of 2019, the frequency of the collection of synoptic groundwater measurements from groundwater monitoring wells was reduced from monthly to quarterly, and the frequency of the collection of SVE system influent samples was reduced from quarterly to semi-annual.

A site-wide inspection was performed on April 20, 2021 by Kaitlyn Crosby, a representative of PWGC. The engineering controls (ECs) currently identified at the site include a groundwater remediation system and an SVE system.

The groundwater remediation and SVE systems, as well as the associated groundwater monitoring wells, were inspected for signs of damage. The systems and monitoring wells appeared to be in good condition and no corrective actions were identified. The results of the inspection were recorded on the Periodic Review Inspection Form, which is provided in **Appendix A**.

3.0 REMEDIAL SYSTEM MONITORING AND SAMPLING

3.1 GROUNDWATER LEVEL GAUGING

Groundwater level measurements for this reporting period were obtained by PWGC on June 22, September 14, and December 14, 2020; and March 31, and June 23, 2021. As previously noted in Section 2.0, the frequency of groundwater level gauging was reduced from monthly to quarterly during the 4th Quarter of 2019.

3.1.1 Groundwater Level Gauging Procedure and Results

An interface probe is slowly lowered into the well. Care is taken to prevent it from splashing into the liquid as it will take some time to stabilize. The interface probe will make two different sounds depending on the viscosity of the liquid within the well. A solid tone denotes non-aqueous phase liquid (NAPL - product) and a beeping tone denotes water. Measurements are collected for the depth to water and the depth to the bottom of the well. Groundwater elevations were observed to range from 57.82 feet in groundwater monitoring well MW-7 (September 14, 2020) to 61.03 feet in groundwater monitoring well MW-6 (June 22, 2020). Refer to **Table 1 – December 2020 – June 2021 Groundwater Elevation Results**.

Data retrieved on June 23, 2021 was used to generate a groundwater elevation contour map for the groundwater flow. Refer to **Figure 2 – Groundwater Contour Map**. The groundwater flow direction has been consistently observed towards south-southeast during this reporting period and is consistent with recorded groundwater flow direction throughout this project.

3.2 REMEDIAL SYSTEM GROUNDWATER SAMPLING

Remedial system influent and effluent groundwater samples were collected on April 27, May 27, June 22, July 20, August 17, September 14, October 7, November 12, and December 14, 2020; on January 14, March 2, March 23, April 20, June 23, 2021.

Influent samples from the onsite Magothy Aquifer (MA) extraction well and onsite Upper Glacial Aquifer (UGA) extraction wells were collected on May 27, August 17, November 12, and December 14, 2020; on January 14, March 2, April 20, and June 21, 2021.

3.2.1 Remedial System Sampling Procedure

As noted in Section 1.2 to prevent the bioremediation chemicals being removed by the system's recovery wells, the groundwater treatment system has been largely inactive since October 7, 2020. Prior to sample collection, the remedial system is turned on for a period of two to four hours and the sampling port (influent or effluent) is opened and drained for five minutes. Water drained from the sample ports is collected and filtered through the remedial system after all samples are collected. After sample collection, the remedial system is turned off. Samples are placed in pre-cleaned laboratory supplied glassware provided by Pace Analytical, placed in a cooler packed with ice, and delivered to Pace under proper chain-of-custody.

3.2.2 Remedial System Analytical Results

Influent and effluent system samples were collected and analyzed for VOCs, total organic carbon (TOC), pH, and total iron. VOC results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA groundwater. Total iron is analyzed to evaluate and mitigate potential impacts of iron fouling to the air stripper packing and to the extraction wells and TOC was analyzed to as a method for gauging the presence of the applied chemicals, as suggested by Regenesis. Analytical results were reported to the NYSDEC on a quarterly basis for this reporting period with results-only deliverables. Analytical data sheets are contained in **Appendix B**.

Analytical results for the groundwater remedial system are summarized in **Table 2 – Groundwater Remedial System Influent & Effluent Sample Results Summary**, **Table 3 – Groundwater Remedial System Contaminant Mass Removal**, and **Table 4 – Groundwater Remedial System Contaminant Mass Removal for Individual Extraction Wells**.

Parameters quantified from groundwater remedial system influent and effluent sampling are presented in **Table 2**. Combined system influent TVOC concentrations ranged from 3,587 µg/L in June 2021 to 1,191 µg/L in April 2020. A spike in TVOC concentrations was observed following the application of the bioremediation program which included the increased concentrations of PCE breakdown compounds (aka: daughter compounds), namely trichloroethylene (TCE) and cis-1,2-dichloroethene (DCE). The increase in PCE breakdown compounds indicates that the applied chemicals are impacting the targeted areas and triggered a degradation process. The application of the bioremediation program was documented in the January 2021 Bioremediation Program Completion Report prepared by PWGC.

Combined system effluent results were reported as non-detect or below NYSDEC effluent standards for eight of the thirteen monthly sampling events with four of the five exceedances being observed after the implementation of the bioremediation program when the treatment system was only activated for two to four hours per month for sampling purposes. There was a minor exceedance of the 5 µg/L NYSDEC effluent limitation for PCE detected in the combined system effluent in April 2020 (5.6 µg/L). PCE exceedances in the 2021 samples ranged from 20 µg/L in June 2021 to 6.2 µg/L in January 2021. Exceedances of the 5 µg/L NYSDEC effluent limitation for DCE were also detected in the combined system effluent for all of the 2021 samples. DCE exceedances ranged from 20.0 µg/L in June 2021 to 6.0 µg/L in January 2021. As further discussed in Section 4 of this PRR, PWGC has performed multiple evaluations of the groundwater treatment system to determine the reasoning for exceedances in effluent water including interior inspections and flow rate analyses. PWGC is currently analyzing air stripper maintenance options including cleaning and or replacing the packing material inside the tower.

Influent concentrations of PCE and TVOCs are trending downward and are depicted in **Graph 1 - Tetrachloroethylene Concentrations Combined RW System Influent** and **Graph 2 - Total Volatile Organic Concentrations Combined RW System Influent**.

The downward trend in each of these graphs is largely driven by the high initial concentrations of PCE and TVOCs and rapid decline in influent concentrations during the first few months of operation. Although a slight upward trend is evident on Graph 2 during this reporting period due to the post-bioremediation program spike, the difference between the highest and lowest detected concentrations is 2,396 µg/L. Most of the increase in TVOCs occurred in 2021 after the bioremediation program was implemented and is largely a result of the increase of PCE daughter compounds, namely DCE and TCE.

Mass removal calculations were used to determine the mass of PCE and TVOCs removed by the groundwater remediation system, which are summarized on **Table 3**. The mass removal calculations are based upon analytical data obtained from April 2020 through June 2021. Approximately 39,591 pounds of PCE has been removed by the groundwater remedial system since it began operation, and approximately 934 pounds of PCE was removed during this reporting period. Approximately 41,242 pounds of TVOCs has been removed by the groundwater remedial system since it began operation, and approximately 1,316 pounds of TVOCs was removed during this reporting period. The mass removal totals this reporting period are lower than recent reporting periods due to the system's inactivity following the institution of the bioremediation program in October 2020.

Mass removal of PCE and TVOCs for the individual aquifers (MA and UGA) is shown in **Table 4**. Historically, higher mass removals have occurred in the UGA. Analytical data collected during this monitoring period is consistent with this observation and indicate that a greater mass removal continues to occur at the UGA when the system is activated.

A graph reflecting the mass removal rate for PCE (in pounds per day) is included as **Graph 3 – Tetrachloroethylene Removal Rates January 2008 through June 2021 Combined GW System Influent**. A significant increase in the removal rate of PCE was noted in 2015 when a new UGA extraction well was installed. The observation seems to indicate that the onsite wells have been located within the contamination source area and are effectively treating the underlying groundwater contamination.

The influent flow rate ranged from 108 gallons per minute (gpm) to 130 gpm. A steady decline in the flow rate was first noted between April 2020 (130 gpm) and January 2021 (108 gpm), eventually remaining steady at approximately 108 gpm. As in Section 1.2, the groundwater remedial system has been largely inactive since October 2020. This decreased flow rate could be due to ironing fouling being able to build up while the pumps are off and not circulating water in the well. In November 2020, the UGA and MA extraction wells were subsequently cleaned as a preventative maintenance measure. This maintenance resulted in a noted increase in flow rate from 112 gpm prior to cleaning to 121 gpm after cleaning. Details of the well cleaning are discussed in Section 4.0. PWGC continues to monitor the flow and as further discussed in Section 4.0, is currently looking into methods to address the iron fouling issue.

3.3 SVE SYSTEM SAMPLING

A sample from the SVE system was collected on June 22 and December 14, 2020; and June 24, 2021.

3.3.1 SVE Sampling Procedure

Prior to sample collection, the SVE system was turned on for a period of one hour. Each sample was collected using a laboratory clean 2.7-liter Summa® vacuum canister connected directly to the sample port with polyethylene tubing. Once connected, the sample port and the Summa® canister was opened and a grab sample was collected.

The sample was analyzed for VOCs by EPA Method TO-15 with results only deliverables. Analytical results for SVE system sampling are included in **Appendix C**.

3.3.2 SVE Analytical Results

SVE system samples were collected and analyzed for TVOCs. Analytical results for the SVE system are summarized in **Table 5 – SVE Historic Influent Results** and **Table 6 – SVE Remedial System Contaminant Mass Removal**.

In the *October 2015 – June 2016 Groundwater Sampling Report*, PWGC recommended placing the SVE system on a pulse pump schedule because PCE concentrations dropped to pre-2015 levels. The SVE system has generally been operating on a pulse pump schedule (two weeks on, two weeks off) since September 26, 2016.

Analytical results for TVOCs are reported as 2,044 µg/m³ in June 2020, 2,391 µg/m³ in December 2020, and 4,292 µg/m³ in June 2021, as summarized on **Table 5**. The increase seen in the June 2021 sample mirrors the results of the groundwater influent samples collected from the groundwater treatment system collected during this time as an increase in PCE daughter compounds, namely DCE and TCE, were observed.

Mass removal calculations were used to determine the mass of TVOCs, including PCE, removed by the SVE system, as summarized on **Table 6**. The mass removal calculations are based on analytical data collected during this reporting period. Approximately 39.23 pounds of TVOCs has been removed by the SVE system during this reporting period. Approximately 5,426 pounds have been removed by the SVE system since it began operation. This is greater than the original estimated mass released. The average TVOCs removed during this reporting period with both SVE wells operating is 0.0026 pounds per hour (lb./hr.). This rate is below the emission guidance of 1.0 lb./hr.

3.4 GROUNDWATER MONITORING WELL SAMPLING

Groundwater monitoring well sampling is performed every five quarters. The fifth quarter groundwater monitoring well sampling was conducted on June 23, 2021 for this reporting period. With the exception of SP-5, PWGC sampled each of the groundwater monitoring wells and the multi-level well as specified in the approved OM&M Program. Groundwater monitoring well SP-5 was not sampled because a dumpster was located on top of the well, making it inaccessible. The sampling was performed in accordance with the procedures outlined in the existing *March 1994 Quality Assurance Project Plan (QAPP)*.

3.4.1 Groundwater Monitoring Well Procedure

Groundwater samples were collected from each monitoring well (with the exception of SP-5) at the Site. Samples were collected using a submersible pump fitted with dedicated polyethylene tubing. Samples were collected using the low flow sampling method. Wells were purged at a maximum rate of 200 mL/minute. A Horiba U-52 multi-parameter water quality meter outfitted with a flow through cell is utilized to monitor field parameters (turbidity, pH, temperature, and conductivity) at three to five-minute intervals. Upon stabilization of field parameters (three consecutive readings within allowable tolerances) groundwater samples were collected. Groundwater samples collected from groundwater monitoring wells were analyzed by Pace Analytical for VOCs by EPA Method 8260.

3.4.2 Groundwater Monitoring Well Analytical Results

The compounds quantified from the June 23, 2021 groundwater sampling for each well are presented in **Table 7 – June 23, 2021 Groundwater Sampling Results**, **Table 8 – Monitoring Well History PCE Concentrations**, and **Table 9 - Multi-Level Well Historical Sampling Results**. Analytical results are included in **Appendix D**.

Monitoring well groundwater samples collected during this reporting period were analyzed for volatile organic compounds (VOCs) designated in the NYSDEC Effluent Limitations and Monitoring Requirements by EPA Method 8260, with results only deliverables.

All parameters were either not detected or detected at concentrations below their respective NYSDEC Ambient Water Quality Standards, as summarized on **Table 7**. Based upon these results, PWGC concludes that the contamination source area is defined properly within eastern portion of the site and application of bioremediation chemicals is currently containing chlorinated solvent impact to this area. Prior to the application of the bioremediation chemicals, the groundwater treatment system had effectively mitigated impact from migrated off site.

Historic PCE concentrations are summarized in **Table 8**.

3.4.3 Multi-level Well Analytical Results

PWGC sampled three select intervals of the multi-level groundwater monitoring well (ML-1):

- Interval A @ 149.5 to 150 feet below grade
- Interval B @ 139.5 to 140 feet below grade
- Interval C @ 129.5 to 130 feet below grade

As shown in **Table 9**, Interval A had an exceedance of TCE (10.3 µg/L) and Interval B had exceedances of TCE (10.7 µg/L) and DCE (20.8 µg/L) above their respective guidance values of 5 µg/L.

4.0 REMEDIAL SYSTEM MAINTENANCE, REPAIRS, AND UPGRADES

As previously discussed in Section 3.2.2, the groundwater remediation system performance was affected by iron fouling during this reporting period. Historically, the remediation system pumps have failed due to iron fouling and new pumps

were installed to replace them. To prevent iron fouling to cause the remediation system pumps to fail, a well cleaning was performed on November 11 and 12, 2020 for both the extraction wells. As discussed in Section 3.2.2, a noted increase in influent flow rate was noted following the cleaning event. Iron fouling has been an ongoing issue for the two recovery wells since their installation and is a result of natural groundwater conditions. The recovery wells are generally cleaned once per year to avoid significant fouling and performance issues.

The groundwater treatment system is designed to be capable of treating influent water impacted with approximately 20,000 ppb of PCE, as well as PCE breakdown compounds, to meet effluent standards. As previously discussed in Section 3.2.2, exceedances of PCE and DCE above NYSDEC effluent limitations were observed in remedial system effluent samples at periods when influent concentrations of TVOCs ranged from approximately 2,000 ppm to 3,500 ppm. After exceedances were observed in effluent samples, PWGC increased the power to the blower fan that supplies the air flow into the tower from approximately 40Hz to 45Hz, as increasing the blower power had been effective in the past when effluent issues were observed. PWGC continued to observe effluent concentrations following the blower power increase. To determine if the condition of the air stripper media packing was affecting the ability of the air stripper to remove the VOCs from the groundwater, an air stripper tower inspection was performed on May 24, 2021. Results of the inspection indicated that the packing media was in generally good condition and the mist eliminator at the top of the tower is somewhat fouled with iron, but not clogged. Packing media is only able to be inspected at the two portholes located at the top and bottom of the tower. There may be iron fouling in the middle of the tower.

In June 2021, PWGC collected a series of air flow measurements from the system to investigate if air flow was being impaired. The results of the air flow analysis recorded flow rates which ranged from 1,759 Cfm at system start-up to 343 Cfm after at four hours of run-time. PWGC did not determine that significant issues regarding air flow in the tower were present. PWGC is currently evaluating having the packing media cleaned or replaced.

5.0 SOURCE AREA INVESTIGATION

Subsurface investigation work activities were performed between May 18, 2020 and May 21, 2020. The primary objective of the subsurface investigation was to collect the information and field data necessary to verify remediation of the PCE source area in support of site closure. Three soil borings, DB01 through DB03, were installed in the historical PCE source area in the driveway and parking area east and southeast of the building. Soil borings were installed using sonic drilling technology, which is a rotary vibratory drilling method capable of high drilling speeds and continuous coring. Soils were collected continuously from ground surface to 170 feet below grade at DB01 and DB02, and from ground surface to 180 feet below grade at DB03.

5.1 Field Characterization Results

With the exception of silt with gravel or interbedded sand, silt and clay encountered from land surface to approximately 8 feet bls (likely non-native material), sand deposits with small lenses of silt and gravel (i.e., DB01: 40-43 feet bls and 48-50 feet bls) extend to a minimum depth of 80 feet bls. Clay lenses ranging from 2 to 6 feet in thickness were encountered in

DB01 between 80 and 97 feet bls, and a 1-foot thick clay lense was encountered from 94 to 95 feet bls at DB03. Clay was not encountered at depths of less than 100 feet bls in DB02. Fine to medium sands with multiple thin layers (i.e., 1 to 9 feet thick) of clay were encountered from 100 feet bls to the terminal depths (i.e., 170 to 180 feet bls) in each of the three soil borings. The water table was encountered at approximately 40 feet bls at each of the three soil boring locations.

PID screening results ranged from 0 parts per million (ppm) to greater than the upper detection limit for the PID (i.e., greater than 9,999 ppm) in all three soil borings. In DB01, the highest PID screening results were noted from 80 to 95 feet bls (7,196 ppm to greater than 9,999 ppm), which coincides with intervals where clay was encountered. PID screening results exceeded 1,000 ppm at several intervals in DB02, including 5 to 15 feet bls (1,843 ppm to 2,498 ppm), 60 to 70 feet bls (1,280 ppm) 85 to 90 feet bls (4,849 ppm) and 100 to 115 feet bls (2,975 ppm to greater than 9,999 ppm). The interval at DB02 with the highest PID screening results (i.e., 110-115 feet bls) coincide with a clay layer encountered at approximately 113 to 115 feet bls and the overlying fine to medium sands encountered at 100 to 113 feet bls. PID screening results at DB03 exceeded 1,000 ppm at approximately 80 to 90 feet bls (3,738 ppm) and approximately 119 to 129 feet bls (2,273 to greater than 9,999 ppm). The interval at DB03 with the highest PID screening results (i.e., 119-129 feet bls) coincide with a silty clay layer encountered at approximately 119 to 128 feet bls.

5.2 Analysis Results

Analytical results for discrete soil samples collected from the three soil borings indicate that PCE was the only VOC detected in exceedance of its associated Restricted Use SCO for Protection of Groundwater (i.e., 1,300 parts per billion [ppb]). Concentrations of cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Trichloroethene and Vinyl chloride were below their respective Restricted Use SCO for Protection of Groundwater in all analyzed soil samples. Significant PCE contamination was detected from approximately 80 to 90 feet bls in all three soil borings. This interval is just above, or coincides with, clay lenses detected at the base of the Upper Glacier Aquifer. The highest concentration of PCE (4,700,000 ppb) was detected at 85-90 feet bls in DB01, which was located adjacent to the leaching pool that reportedly received periodic PCE-containing discharges (i.e., UIC001). PCE concentrations in soil samples collected from these depths decreased significantly at soil boring locations further downgradient from UIC001: 220,000 ppb at 85-80 feet bls in SB02 and 24,000 ppb at 85-90 feet bls in DB03. A second, less significant, zone of PCE contamination was detected at depth of 120-125 feet bls in DB02 (10,000 ppb) and DB03 (28,000 ppb), where thin layers of clay were encountered in the upper Magothy Formation. PCE and associated breakdown compounds were not detected above Restricted Use SCOs for Protection of Groundwater in soil samples collected above the water table (i.e., less than 40 feet bls), or in samples collected from the terminal depths of each of the three soil borings (i.e., 170-180 feet bls).

The findings of this investigation were documented in the July 2020 Soil Investigation of Historical Source Area Report which was provided to NYSDEC. Based on the results of this source investigation, a bioremediation program was implemented to address the residual contamination at the site which was identified to be within a 'hot spot' at the locations of DB01 and DB02 at 80 to 95 feet below grade, as well as an area of lesser impact at the location of DB03 at 80

to 95 feet below grade and 115 to 135 feet below grade. The vertical profile boring locations are illustrated on **Figure 3**, and a geologic cross section of boring locations with analytical results is included as **Figure 4**.

6.0 BIOREMEDIATION PROGRAM

A bioremediation program was carried out at the site in October 2020 in effort to enhance biodegradation of PCE impact entrained in the subsurface on the eastern portion of the site as part of the ongoing effort to address the goals established in the 2002 ROD. The chemicals used for this program were provided by Regnesis, and included the following products:

- Regenesis Microemulsion Factory Emulsified – 3DME is an injectable liquid material designed for in-situ remediation products via anaerobic biodegradation of chlorinated compounds through the enhanced reductive dechlorination (ERD) process. ERD is the primary anaerobic biological process by which chlorinated solvents, such as PCE, in groundwater are biologically transformed into less harmful end-products such as ethene.
- Chemical Reducing Solution – CRS is an iron-based amendment for in-situ chemical reduction (ISCR) of halogenated hydrocarbon contaminants such as chlorinated ethenes and ethanes. CRS is a pH neutral, liquid iron solution that is mixed with 3DME before injection into contaminated media. CRS is a soluble, food-grade source of ferrous iron (Fe^{2+}), designed to precipitate reduced iron sulfides, oxides, and/or hydroxides. These Fe^{2+} minerals are capable of destroying chlorinated solvents via chemical deduction pathways, thus improving the efficiency of the overall reductive dechlorination process by providing multiple pathways for contaminant degradation in groundwater.
- Dechlor INOCLUM Plus – BDI Plus is designed for use at sites where chlorinated contaminants are present and unable to be completely biodegraded via existing microbial communities. BDI Plus is an enriched, natural microbial consortium containing species of *Dehalococcoides* sp. (DCH) which are capable of dechlorinating contaminants during in-situ anaerobic bioremediation processes. BDI Plus has been shown to stimulate the rapid dechlorination of chlorinated compounds such as PCE.

Chemical injections were focused within the hot spot identified during the source area investigation at 80 to 95 feet below grade, as well as a downgradient barrier zone where lesser degrees of PCE impact were identified at 80 to 95 feet below grade and 115 to 135 feet below grade. The injection locations are illustrated on **Figure 3**, and a geologic cross section illustrating injection locations overlaid with the analytical results of the vertical profile sampling is included as **Figure 4**. The chemicals applied to the downgradient barrier zone were also injected to act as a mitigation measure against chlorinated solvent impact from migrating off site. To monitor the bioremediation program's effectiveness at mitigating chlorinated solvent impact from migrating off site, PWGC collected samples from two deep interval monitoring wells located downgradient from the recovery wells and injection zones, as well as four intervals at the multi-level well: A (150' bgs), B (140" bgs), F (100' bgs), and G (90' bgs). Since the institution of the bioremediation program in October 2020, VOCs have not been detected above NYSDEC ambient groundwater quality standards in MW-8 or MW-9, as summarized on **Table 9**.

The applied chemicals are anticipated to facilitate enhanced bioremediation for approximately two to three years. As discussed in section 3 of this PRR, a spike in TVOC concentrations has been observed in influent groundwater samples from the two recovery wells since the bioremediation program was implemented, however the increased TVOC concentrations are attributable to an increase in PCE daughter compounds such as DCE and TCE in the hot spot area. PWGC believes that the increase in PCE daughter compounds detected in the recovery wells is a result of the ongoing effects of the bioremediation program and is an indication that biodegradation of PCE is occurring within the injection zones. Prior to the injections, the contamination detected in the recovery wells consisted almost entirely of PCE with no real signs of degradation present. The activities performed as part of the bioremediation program are detailed in the January 2021 Bioremediation Program Report which was submitted to NYSDEC.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Groundwater monitoring data indicates that the groundwater extraction wells are located directly within the contaminant source area and the source of contamination was being effectively contained and removed by the system prior to the institution of the bioremediation program. Since the institution of the bioremediation program, chlorinated solvent impact has continued to be contained to the site as impact has not appeared in monitoring wells located directly downgradient of the recovery wells. PWGC will continue to have the groundwater treatment system remain largely inactivated and only activated for two to four hours per month for sample collection purposes until it is believed that the applied bioremediation chemicals are gauged to no longer be effective at targeting PCE impact and/or containing impact from migrating off site. PWGC will continue to monitor the influent groundwater, effluent water, and downgradient monitoring wells on a monthly basis.

PWGC is currently looking into solutions to resolve the iron fouling issue and effluent issue, which has negatively affected the groundwater treatment system's performance. As discussed in Section 4 of this PRR, PWGC has performed multiple evaluations of the groundwater treatment system to determine the reasoning for exceedances in effluent water. PWGC plans to perform maintenance cleaning on both recovery wells on a yearly basis to help avoid significant issues regarding iron fouling. PWGC is actively exploring options to improve the treatment system's performance including cleaning and/or replacing the air stripper media.

At this time, it is PWGC's opinion that mass removal by the SVE system has been fairly consistent, with the exception of periodic elevated results due to the system's pulsed operation schedule and increased influent concentrations associated with the effects of the bioremediation program. PWGC recommends continuation of the biannual sampling schedule.

PWGC completed a soil investigation in accordance with the NYSDEC-approved *Soil Investigation of Historical Source Area Work Plan* (PWGC, March 2020) during this period. The primary objective of this investigation was to collect the information and field data necessary to verify remediation of the PCE source area in support of site closure. The scope of the investigation included a geophysical survey and the characterization of soil in the PCE source area located in the

driveway and parking area east and southeast of the onsite building. The findings of this investigation were used to develop the scope of work detailed in the Bioremediation Program Work Plan (PWGC, September 2020). The activities performed under this work plan are detailed in the Bioremediation Program Report (PWGC, January 2021)

The site-wide inspection and ongoing OM&M documented in this PRR show that the IRM remedy continues to be effective in protecting public health and the environment. PWGC anticipates that the Draft SMP will be accepted by NYSDEC in Fall 2021 at which point it will become the primary environmental governing document for the site and future reports, including PRRs, will be prepared in accordance with the new SMP.



TABLES

TABLE 1
April 2020 - June 2021
Groundwater Elevation Results

SOURCE	CASING ELEVATION	2nd Quarter 2020		3rd Quarter 2020		4th Quarter 2020		1st Quarter 2021		2nd Quarter 2021	
		June 22, 2020		September 14, 2020		December 14, 2020		March 31, 2021		June 23, 2021	
		DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1	99.22	38.28	60.94	39.58	59.64	39.87	59.35	38.71	60.51	39.05	60.17
MW-2	98.80	38.21	60.59	39.54	59.26	39.76	59.04	38.52	60.28	38.99	59.81
MW-3	98.08	37.64	60.44	38.97	59.11	39.26	58.82	37.98	60.10	38.41	59.67
MW-4	97.44	37.08	60.36	38.39	59.05	38.68	58.76	37.42	60.02	37.85	59.59
MW-5	99.12	38.41	60.71	39.73	59.39	40.03	59.09	38.81	60.31	39.19	59.93
MW-6	99.28	38.25	61.03	39.53	59.75	39.90	59.38	38.73	60.55	39.10	60.18
MW-7	98.09	39.06	59.03	40.27	57.82	39.28	58.81	38.21	59.88	38.46	59.63
MW-8	97.87	37.52	60.35	39.01	58.86	39.05	58.82	38.18	59.69	38.25	59.62
MW-9	95.93	36.11	59.82	37.46	58.47	37.32	58.61	36.08	59.85	37.91	58.02
SP-3	96.30	36.28	60.02	37.67	58.63	35.91	60.39	36.63	59.67	36.92	59.38
SP-4	97.71	37.84	59.87	39.21	58.50	39.45	58.26	38.19	59.52	38.64	59.07
SP-5	96.72	---	---	---	---	---	---	---	---	---	---
SP-6	99.68	39.79	59.89	41.12	58.56	41.42	58.26	40.14	59.54	40.53	59.15
GW-1	99.70	39.09	60.61	40.39	59.31	40.44	59.26	39.57	60.13	39.94	59.76
GW-2	100.30	40.30	60.00	41.62	58.68	41.92	58.38	40.65	59.65	41.03	59.27
GW-3	100.55	40.52	60.03	41.85	58.70	42.15	58.40	40.87	59.68	42.27	58.28
SCDHS	NS	35.83	---	36.28	---	36.51	---	34.97	---	35.41	---
Upper Glacial	---	---	---	---	---	---	---	---	---	---	---
Magothy	---	---	---	---	---	---	---	---	---	---	---

Notes:

Highlighted text denotes lowest groundwater elevation for the month

Highlighted text denotes highest groundwater elevation for the month

GWE = Groundwater Elevation

DTW = Depth to Water

NS = Not Surveyed

NM = Not Monitored / Inaccessible

TABLE 2
Groundwater Remedial System
Influent Effluent Sample Results Summary
April 2020 - March 2021

Parameters	Units	April 2020		May 2020			June 2020			July 2020			August 2020			September 2020			October 2020			November 2020			NYSDEC Effluent Limitations	
		Combined System Influent	Combined System Effluent	Combined System Influent	Onsite Upper Glacial Influent	Onsite Magothy #4 Influent	Combined System Effluent	Combined System Influent	Combined System Effluent	Combined System Influent	Combined System Effluent	Combined System Influent	Onsite Upper Glacial Influent	Onsite Magothy #4 Influent	Combined System Effluent	Combined System Influent	Combined System Effluent	Combined System Influent	Onsite Upper Glacial Influent	Onsite Magothy #4 Influent	Combined System Effluent	Combined System Influent	Onsite Upper Glacial Influent	Onsite Magothy #4 Influent		Combined System Effluent
Iron as Fe	mg/L	0.263	<0.1	0.231	2.37	0.103	0.108	0.24	<0.1	0.26	<0.1	0.22	4.68	0.69	<0.1	0.24	0.11	0.36	13.50	0.93	0.17	1.07	6.68	0.57	0.58	NS
pH (Lab)	n/a	6.1	7.5	6.1	6.3	6.0	7.6	6.2	7.6	6.2	7.6	6.2	6.3	6.7	7.5	5.8	7.2	5.6	5.9	6.0	7.0	5.8	6.0	5.6	6.9	5.5-8.5
Total Organic Carbon (TOC)	mg/L	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	5.2	8.3	3.4	6.2	>1*
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5
m + p Xylene	µg/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<60	<30	<3.0	<3.0	<3.0	<3.0	<3.0	5
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5
Chloromethane	µg/L	<1.0	<1.0	<1.0	5.8	4.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<10	<1.0	6.4	8.4	17.9	<1.0	5
Chloroform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<10	<1.0	<1.0	1.2	<1.0	<1.0	7
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,2-Dichloroethene (total)	µg/L	<2.0	<2.0	<2.0	3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<40	<20	<2.0	5.5	10.4	2.2	<2.0	5
Tetrachloroethene	µg/L	1180	5.6	1240	1720	843	2.3	1460	2.2	1690	2.7	1350	1870	1100	1.6	1300.0	2.5	1500.0	1890.0	1060.0	1.9	1850.0	1750.0	1300.0	4.8	5
Trichloroethylene	µg/L	10.7	<1.0	16.8	35.6	5.1	<1.0	16.4	<1.0	17.8	<1.0	16.3	32.1	5.4	<1.0	16.3	<1.0	18.3	31.5	<1.0	<1.0	97.0	153.0	15.3	<1.0	5
TVOC's	µg/L	1,191	5.6	1,257	1,756	848	2.3	1,476	2.2	1,708	2.7	1,366	1,903	1,105	1.6	1,316	2.5	1,518	1,922	1,060	1.9	1,959	1,923	1,335	4.8	

Parameters	Units	December 2020				January 2021				February/March 2021				April 2021				June 2021		NYSDEC Effluent Limitations						
		Combined System Influent	Onsite Upper Glacial Influent	Onsite Magothy #4 Influent	Combined System Effluent	Combined System Influent	Onsite Upper Glacial Influent	Onsite Magothy #4 Influent	Combined System Effluent	Combined System Influent	Onsite Upper Glacial Influent	Onsite Magothy #4 Influent	Combined System Effluent	Combined System Influent	Onsite Upper Glacial Influent	Onsite Magothy #4 Influent	Combined System Effluent	Combined System Influent	Combined System Effluent							
Iron as Fe	mg/L	8.73	11.60	5.60	23.50	8.73	10.20	5.32	11.40	10.60	15.60	6.31	8.86	13.5	20	8.03	9.1	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH (Lab)	n/a	6.1	6.2	6.2	6.9	6.0	6.1	6.1	7.1	6.0	6.0	6.0	6.8	6.0	6.0	6.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.5-8.5
Total Organic Carbon (TOC)	mg/L	2.1	2.5	1.8	2.3	2.0	2.6	1.9	2.0	3.2	3.9	3.1	3.1	3.9	5.6	2.6	3.6	NS	NS	NS	NS	NS	NS	NS	NS	>1*
Toluene	µg/L	<10	<20	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
m + p Xylene	µg/L	<30	<60	<30	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5
1,1-Dichloroethene	µg/L	<10	<20	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	2.0	2.3	1.3	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Chloromethane	µg/L	<10	<20	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Chloroform	µg/L	<10	<20	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7
1,1,1-Trichloroethane	µg/L	<10	<20	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,2-Dichloroethene (total)	µg/L	364.0	450.0	282.0	4.7	457	523	387	6.0	536.0	768.0	338.0	6.5	1290	1670	971	18.2	1500	1500	20.0	1500	1500	1500	20.0	5	
Tetrachloroethene	µg/L	1370.0	1880.0	901.0	4.8	1240	1900	808	6.2	1360.0	1880.0	1470.0	15.0	1320	1500	780	14.7	1730	1730	33.1	1730	1730	1730	33.1	5	
Trichloroethylene	µg/L	228.0	399.0	92.7	1.0	321	594	123	<1.0	369.0	685.0	134.0	1.5	305	588	88.4	1.4	355	355	1.6	355	355	355	1.6	5	
TVOC's	µg/L	1,962	2,729	1,276	10.5	2,018	3,017	1,318	12.2	2,265	3,334	1,942	23.0	2,917	3,760.3	1,840.7	34.3	3,587.1	3,587.1	54.7	3,587.1	3,587.1	3,587.1	54.7		

NC - Not Collected
NS - No Standard
ND = Not Detected
Highlighted text denotes exceedance of NYSDEC Effluent Limitations
* - Typical TOC concentrations on Long Island are less than 1 ppb.

**TABLE 3
Groundwater Remedial System
Contaminant Mass Removal**

Sampling Date	Days of Operation	Average flow rate	Tetrachloroethene (µg/l)	Mass Removed (kg)	Total VOC's (µg/l)	Mass Removed (kg)
10/23/2019	37	137	1,370	37.85	1,382	38.19
11/21/2019	29	136	1,460	31.39	1,472	31.65
12/30/2019	39	135	1,280	36.74	1,292	37.08
1/29/2020	30	139	1,410	32.05	1,423	32.35
2/13/2020	15	132	1,210	13.06	1,221	13.18
3/17/2020	33	130	1,170	27.36	1,177	27.52
4/27/2020	41	130	1,180	34.28	1,191	34.60
5/27/2020	30	128	1,240	25.96	1,257	26.31
6/22/2020	26	126	1,460	26.07	1,476	26.36
7/20/2020	28	128	1,690	33.02	1,708	33.37
8/17/2020	28	121	1,350	24.93	1,366	25.23
9/14/2020	28	116	1,300	23.02	1,316	23.30
10/7/2020	23	112	1,500	21.06	1,518	21.32
11/12/2020	36	121	1,850	43.93	1,959	46.52
12/14/2020	32	119	1,370	28.44	1,962	40.73
1/14/2021	31	108	1,240	22.63	2,018	36.83
3/2/2021	47	109	1,360	37.98	2,265	63.25
4/20/2021	49	108	1,320	38.08	2,917	84.15
6/23/2021	64	108	1,730	65.18	3,587	135.15
Total (kg)				17,958.26		18,706.92
Total (lb)				39,591.20		41,241.71

TABLE 4
Groundwater Remedial System
Contaminant Mass Removal For Individual Extraction Wells

Sampling Date	Source	Days of Operation	Average Flow Rate	Tetrachloroethylene (µg/l)	Mass Removed (kg)	Total VOC's (µg/l)	Mass Removed (kg)
7/7/1998	Magothy	8	50	9400	20.50	9650	21.04
7/7/1998	Upper Glacial	8	200	4000	34.89	4580	39.94
10/27/1998	Magothy	112	50	7600	259.47	7921	268.18
10/27/1998	Upper Glacial	112	200	4300	506.72	4770	570.83
2/24/1999	Magothy	120	50	9000	271.46	9290	281.45
2/24/1999	Upper Glacial	120	200	5400	634.50	5840	694.02
5/28/1999	Magothy	93	50	7100	204.04	7362	211.04
5/28/1999	Upper Glacial	93	200	4800	517.08	5188	559.06
10/12/1999	Magothy	137	47	8100	266.75	8350	275.74
10/12/1999	Upper Glacial	137	165	5100	609.94	5240	642.47
11/10/1999	Magothy	12	40	8900	22.24	9160	22.91
11/10/1999	Upper Glacial	12	80	5500	27.73	5634	28.45
2/15/2000	Magothy	81	40	6000	131.58	6270	136.26
2/15/2000	Upper Glacial	81	80	4300	173.08	4480	178.63
5/26/2000	Magothy	97	50	6500	165.23	6720	171.71
5/26/2000	Upper Glacial	97	90	5000	221.28	5248	231.46
9/27/2000	Magothy	124	50	4200	180.81	4386	187.67
9/27/2000	Upper Glacial	124	100	2800	263.61	3137	283.38
2/27/2001	Magothy	152	50	3200	153.28	3391	161.09
2/27/2001	Upper Glacial	152	100	2500	219.57	2680	240.98
5/30/2001	Magothy	88	50	2100	63.56	2433	69.84
5/30/2001	Upper Glacial	88	100	2400	117.52	2723	129.59
8/23/2001	Magothy	85	50	2500	53.28	2715	59.63
8/23/2001	Upper Glacial	85	100	2500	113.52	2736	126.47
11/27/2001	Magothy	96	50	2500	65.41	2530	68.62
11/27/2001	Upper Glacial	96	100	2400	128.21	2542	138.10
2/27/2002	Magothy	93	50	2300	60.83	2362	62.00
2/27/2002	Upper Glacial	93	100	2600	126.74	2665	131.98
5/29/2002	Magothy	86	50	6200	99.62	6213	100.50
5/29/2002	Upper Glacial	86	100	6400	210.95	6412	212.76
8/30/2002	Magothy	93	50	5400	147.01	5521	148.71
8/30/2002	Upper Glacial	93	100	5300	296.56	5410	299.65
11/26/2002	Magothy	77	50	4300	101.78	4351	103.59
11/26/2002	Upper Glacial	77	100	3800	190.98	3851	194.35
2/4/2003	Magothy	61	0	3800	0.00	3853	0.00
2/4/2003	Upper Glacial	61	90	4000	116.71	4055	118.30
7/7/2003	Magothy	56	0	9600	0.00	11591	0.00
7/7/2003	Upper Glacial	56	90	2400	87.91	2515	90.25
8/26/2003	Magothy	22	50	4600	42.57	4702	48.85
8/26/2003	Upper Glacial	46	120	1200	54.16	1255	56.72
12/1/2003	Magothy	91	50	4900	117.81	4986	120.14
12/1/2003	Upper Glacial	91	120	1800	89.29	1841	92.14
2/26/2004	Magothy	87	40	4300	87.26	4386	88.89
2/26/2004	Upper Glacial	87	120	1800	102.44	1819	104.14
5/17/2004	Magothy	81	40	3400	68.00	3466	69.34
5/17/2004	Upper Glacial	81	120	1600	90.07	1600	90.58
8/13/2004	Magothy	88	40	2600	57.56	2684	59.00
8/13/2004	Upper Glacial	88	110	1800	89.70	1825	90.36
11/23/2004	Magothy	102	40	3800	71.17	3857	72.74
11/23/2004	Upper Glacial	102	110	3200	152.90	3225	154.43
2/10/2005	Magothy	79	30	2200	38.76	2254	39.47
2/10/2005	Upper Glacial	79	50	3000	66.75	3028	67.32
5/16/2005	Magothy	95	30	2000	32.62	2048	33.42
5/16/2005	Upper Glacial	95	55	3100	86.87	3138	87.81
8/23/2005	Magothy	99	33	2600	40.96	2641	41.75
8/23/2005	Upper Glacial	99	50	5600	117.37	5640	118.43
11/10/2005	Magothy	79	30	2600	33.59	2646	34.15
11/10/2005	Upper Glacial	79	44	3400	85.26	3400	85.64
3/27/2006	Magothy	84	65	3100	84.82	3148	86.22
3/27/2006	Upper Glacial	84	160	2800	227.11	2823	227.95
5/19/2006	Magothy	53	64	2200	49.00	2252	49.92
5/19/2006	Upper Glacial	53	150	1400	91.00	1414	91.81
8/11/2006	Magothy	84	57	2200	57.42	2248	58.72
8/11/2006	Upper Glacial	84	140	1600	96.16	1620	97.25
11/7/2006	Magothy	88	62	2500	69.89	2561	71.51
11/7/2006	Upper Glacial	88	123	3200	141.60	3277	144.47
2/6/2007	Magothy	91	62	2000	69.20	2042	70.78
2/6/2007	Upper Glacial	91	110	1700	133.68	1718	136.27
5/3/2007	Magothy	86	65	1600	54.85	1676	56.65
5/3/2007	Upper Glacial	86	98	1600	75.80	1619	76.65
8/8/2007	Magothy	65	65	2200	43.76	2252	45.23
8/8/2007	Upper Glacial	65	98	4200	100.70	4206	101.13
11/6/2007	Magothy	90	60	2100	63.29	2144	64.70
11/6/2007	Upper Glacial	90	95	2100	146.81	2117	147.34
2/6/2008	Magothy	92	53	2000	54.49	2035	55.54
2/6/2008	Upper Glacial	92	81	2000	83.27	2017	83.96
5/20/2008	Magothy	104	52	1500	51.59	1553	52.89
5/20/2008	Upper Glacial	104	66	1900	72.96	1918	73.62
11/24/2008	Magothy	188	48	1600	76.24	1645	78.65
11/24/2008	Upper Glacial	188	67	1900	130.46	1923	131.86
2/20/2009	Magothy	88	44	1700	34.83	1754	35.87
2/20/2009	Upper Glacial	88	72	1900	65.62	1950	66.88
5/13/2009	Magothy	82	41	1700	31.15	1740	32.02
5/13/2009	Upper Glacial	82	75	1900	63.69	1916	64.80
8/27/2009	Magothy	106	50	1900	52.00	1935	53.09
8/27/2009	Upper Glacial	106	70	2200	82.92	2216	83.56
11/9/2009	Magothy	74	40	1900	30.66	1929	31.17
11/9/2009	Upper Glacial	74	60	2300	54.46	2320	54.89
2/11/2010	Magothy	72	43	1900	32.06	1928	32.55
2/11/2010	Upper Glacial	72	60	2300	54.16	2323	54.67

TABLE 4
Groundwater Remedial System
Contaminant Mass Removal For Individual Extraction Wells

Sampling Date	Source	Days of Operation	Average Flow Rate	Tetrachloroethylene (µg/l)	Mass Removed (kg)	Total VOC's (µg/l)	Mass Removed (kg)
5/18/2010	Magothy	73	40	2000	31.04	2042	31.60
5/18/2010	Upper Glacial	73	64	2200	57.30	2224	57.90
8/6/2010	Magothy	73	40	1900	31.04	1931	31.62
8/6/2010	Upper Glacial	73	64	2000	53.48	2021	54.05
11/10/2010	Magothy	96	32	2100	33.49	2123	33.94
11/10/2010	Upper Glacial	96	64	2300	72.01	2321	72.71
3/17/2011	Magothy	94	29	3700	43.09	3744	43.59
3/17/2011	Upper Glacial	94	52	4200	86.59	4256	87.62
5/31/2011	Magothy	75	25	3000	34.24	3030	34.62
5/31/2011	Upper Glacial	75	45	2400	60.71	2400	61.23
6/28/2011	Magothy	14	25	2600	5.34	2643	5.41
6/28/2011	Upper Glacial	14	45	4000	10.99	4061	11.09
8/10/2011	Magothy	43	25	2300	14.36	2322	14.55
8/10/2011	Upper Glacial	43	50	2800	39.85	2823	40.34
11/14/2011	Magothy	96	22	2400	27.05	2419	27.29
11/14/2011	Upper Glacial	96	40	2500	55.47	2520	55.92
2/17/2012	Magothy	62	20	2300	15.88	2320	16.02
2/17/2012	Upper Glacial	62	43	2600	37.06	2634	37.45
5/25/2012	Magothy #2	98	20	2900	27.78	2942	28.11
5/25/2012	Upper Glacial	98	43	2900	63.17	2944	64.06
5/25/2012	Magothy #4	64	36	3800	47.72	3828	48.08
8/9/2012	Magothy #2	76	20	2600	22.79	2634	23.10
8/9/2012	Upper Glacial	76	43	5300	73.04	5349	73.87
8/9/2012	Magothy #4	76	51	3400	76.06	3428	76.65
11/26/2012	Magothy #2	109	7	1700	8.94	1722	9.06
11/26/2012	Upper Glacial	109	29	3900	79.26	3931	79.95
11/26/2012	Magothy #4	109	62	2800	114.20	2819	115.06
2/15/2013	Magothy #2	51	18	1300	7.51	1328	7.63
2/15/2013	Upper Glacial	51	34	3400	34.50	3423	34.76
2/15/2013	Magothy #4	51	60	1900	39.20	1916	39.49
3/21/2013	Magothy #2	34	22	1100	4.89	1149	5.05
3/21/2013	Upper Glacial	34	32	2500	17.50	2523	17.63
3/21/2013	Magothy #4	34	60	2800	26.13	2821	26.34
5/23/2013	Magothy #2	63	17	1600	7.88	1600	8.02
5/23/2013	Upper Glacial	63	30	7000	48.94	7000	49.05
5/23/2013	Magothy #4	63	59	2300	51.67	2300	51.88
6/24/2013	Magothy #2	32	22	1000	4.99	1033	5.05
6/24/2013	Upper Glacial	32	40	3900	38.03	3917	38.09
6/24/2013	Magothy #4	32	55	1900	20.15	1920	20.24
8/28/2013	Magothy #2	65	18	1600	8.29	1600	8.40
8/28/2013	Upper Glacial	65	35	7000	67.59	7000	67.69
8/28/2013	Magothy #4	65	62	2300	46.13	2300	46.35
11/15/2013	Magothy #2	79	20	4700	27.13	4724	27.23
11/15/2013	Upper Glacial	79	34	3400	76.14	3400	76.14
11/15/2013	Magothy #4	79	50	4600	74.28	4600	74.28
2/28/2014	Upper Glacial	105	24	4400	53.57	4425	53.74
2/28/2014	Magothy #4	105	47	1800	86.08	1816	86.30
5/15/2014	Upper Glacial	76	26	4400	47.39	4400	47.53
5/15/2014	Magothy #4	76	44	1800	32.81	1800	32.96
8/28/2014	Upper Glacial	105	22	4000	52.89	4000	52.89
8/28/2014	Magothy #4	105	42	2100	46.88	2100	46.88
11/24/2014	Upper Glacial	102	16	4300	36.92	4300	36.92
11/24/2014	Magothy #4	102	44	9.9	25.81	9.9	25.81
3/6/2015	Upper Glacial #1	91	41	4300	87.45	8844	133.66
8/12/2015	Upper Glacial #3	16	75	8800	42.84	8844	57.85
8/12/2015	Magothy #4	107	46	1700	22.94	1719	23.19
12/30/2015	Upper Glacial	140	102	8100	657.75	8177	662.46
12/30/2015	Magothy #4	140	47	1900	64.56	1900	64.90
2/25/2016	Upper Glacial	57	88	3100	153.12	3100	154.17
2/25/2016	Magothy #4	57	49	3100	38.06	1313	24.46
5/16/2016	Upper Glacial	81	92	2800	119.83	2800	119.83
5/16/2016	Magothy #4	81	50	900	44.15	900	24.43
8/17/2016	Upper Glacial	93	82	2800	116.39	2800	116.39
8/17/2016	Magothy #4	93	46	1200	24.49	1213	24.64
11/22/2016	Upper Glacial	97	65	2150	85.06	2150	85.06
11/22/2016	Magothy #4	97	39	1140	24.13	1140	24.26
2/16/2017	Upper Glacial	86	72	2700	81.85	2700	81.85
2/16/2017	Magothy #4	86	38	1410	22.71	1410	22.71
5/19/2017	Upper Glacial	92	74	1130	71.07	1130	71.07
5/19/2017	Magothy #4	92	41	2520	40.40	2555	40.76
8/21/2017	Upper Glacial	94	68	2410	61.67	2410	61.67
8/21/2017	Magothy #4	94	41	1220	39.29	1220	39.65
11/17/2017	Upper Glacial	88	94	2640	98.97	2640	113.85
11/17/2017	Magothy #4	88	36	1330	22.02	1338	22.09
2/13/2018	Upper Glacial	88	92	1750	96.87	1777	97.46
2/13/2018	Magothy #4	88	37	960	20.32	966	20.45
5/17/2018	Upper Glacial	93	99	2030	94.85	2056	96.18
5/17/2018	Magothy #4	93	39	1090	20.27	1090	20.32
8/14/2018	Upper Glacial	89	96	872	67.58	894	68.70
8/14/2018	Magothy #4	89	38	1120	20.37	1127	20.44
11/19/2018	Upper Glacial	97	102	1190	55.60	1217	56.93
11/19/2018	Magothy #4	97	39	704	18.81	710	18.94
2/13/2019	Upper Glacial	86	75	1990	55.90	2012	56.76
2/13/2019	Magothy #4	86	24	1136	10.35	1136	10.38
8/19/2019	Upper Glacial	187	81	1600	148.21	1625	150.15
8/19/2019	Magothy #4	187	10	950	10.63	950	10.63
11/21/2019	Upper Glacial	94	72	1880	64.19	1899	65.00
11/21/2019	Magothy #4	94	74	1200	40.76	1200	40.76
3/17/2020	Upper Glacial	117	70	1400	73.22	1421	74.11
3/17/2020	Magothy #4	117	76	1070	55.01	1074	55.11
5/27/2020	Upper Glacial	71	60	1720	36.23	1756	36.89
5/27/2020	Magothy #4	71	74	843	27.39	848	27.52

TABLE 4
Groundwater Remedial System
Contaminant Mass Removal For Individual Extraction Wells

Sampling Date	Source	Days of Operation	Average Flow Rate	Tetrachloroethylene (µg/l)	Mass Removed (kg)	Total VOC's (µg/l)	Mass Removed (kg)
8/17/2020	Upper Glacial	82	55	1870	44.13	1903	44.98
8/17/2020	Magothy #4	82	75	1100	32.57	1105	32.74
10/7/2020	Upper Glacial	51	45	1890	23.52	1922	23.93
10/7/2020	Magothy #4	51	71	1060	21.32	1060	21.37
11/12/2020	Upper Glacial	36	50	1750	17.86	1923	18.86
11/12/2020	Magothy #4	36	72	1300	16.67	1335	16.92
12/14/2020	Upper Glacial	32	50	1880	16.44	2729	20.29
12/14/2020	Magothy #4	32	72	901	12.31	1276	16.40
1/14/2021	Upper Glacial	31	46	1900	14.73	3017	22.33
1/14/2021	Magothy #4	31	63	808	9.94	1318	13.81
3/2/2021	Upper Glacial	47	50	1880	24.15	3334	40.68
3/2/2021	Magothy #4	47	61	1470	19.77	1942	25.47
4/20/2021	Upper Glacial	49	48	1500	20.83	3760	45.48
4/20/2021	Magothy #4	49	62	780	17.22	1851	31.41
Total (kg)					16159.05		16743.25
Total (lb)					35549.91		36835.15

TABLE 6
SVE
Contaminant Mass Removal

Table with 13 columns (Baseline Sample to Fourth Qtr) and 14 rows (System Influent to Total VOCs Removed Over Quarter). Rows include contaminants like Tetrachloroethylene and Trichloroethylene, and summary metrics like Average SVE Flow Rate and Average VOC Removal Rate.

Table with 13 columns (First Qtr to Third Qtr) and 14 rows (System Influent to Total VOCs Removed Over Quarter). Rows include contaminants and summary metrics.

Table with 13 columns (Fourth Qtr to Third Qtr) and 14 rows (System Influent to Total VOCs Removed Over Quarter). Rows include contaminants and summary metrics.

Table with 13 columns (Fourth Qtr to Third Qtr) and 14 rows (System Influent to Total VOCs Removed Over Quarter). Rows include contaminants and summary metrics.

Table with 13 columns (Fourth Qtr to Third Quarter) and 14 rows (System Influent to Total VOCs Removed Over Quarter). Rows include contaminants and summary metrics.

Table with 13 columns (Fourth Quarter to Third Qtr) and 14 rows (System Influent to Total VOCs Removed Over Quarter). Rows include contaminants and summary metrics.

Table with 13 columns (First Qtr to First Half 2020) and 14 rows (System Influent to Total VOCs Removed Over Quarter). Rows include contaminants and summary metrics.

Table with 5 columns (Second Half 2020 to Mass Removed to Date) and 5 rows (System Influent to Total VOCs Removed Over Quarter). Rows include contaminants and summary metrics.

TABLE 7
June 23, 2021 Groundwater Sampling Results
Volatile Organic Compounds

PARAMETER	Units	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	NYSDEC G.W. Standards
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1-Dichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Chloroform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Trichloroethylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Tetrachloroethene	µg/L	<1.0	1.6	2	<1.0	<1.0	<1.0	1.4	<1.0	1.4	5
Benzene	µg/L	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	0.4
1,2-Dichloroethene (total)	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5
Ethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Xylene (total)	µg/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5
TVOC's	µg/L	ND	1.6	2.0	ND	ND	ND	1.4	ND	1.4	

PARAMETER	Units	SP-3	SP-4	SP-5	SP-6	GW-1	GW-2	GW-3	SCDHS Well	NYSDEC G.W. Standards
1,1-Dichloroethene	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1-Dichloroethane	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Chloroform	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Trichloroethylene	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Tetrachloroethene	µg/L	1.3	1.2	NS	<1.0	<1.0	<1.0	<1.0	1.8	5
Benzene	µg/L	<0.7	<0.7	NS	<0.7	<0.7	<0.7	<0.7	<0.7	0.4
1,2-Dichloroethene (total)	µg/L	<2.0	<2.0	NS	<2.0	<2.0	<2.0	<2.0	<2.0	5
Ethylbenzene	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Toluene	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Xylene (total)	µg/L	<3.0	<3.0	NS	<3.0	<3.0	<3.0	<3.0	<3.0	5
TVOC's	µg/L	1.3	1.2	NS	ND	ND	ND	ND	NS	

Notes:

ND = Not Detected

NS = Not Sampled

Bold/highlighted text denotes exceedance of G.W. Standard

G.W. Standards - Ambient Water Quality Standards or Guidance Values, 1993

TABLE 8
Monitoring Well History
PCE Concentrations

Sampling Date	MW-1 (µg/L)	MW-2 (µg/L)	MW-3 (µg/L)	MW-4 (µg/L)	MW-5 (µg/L)	MW-6 (µg/L)	MW-7 (µg/L)	MW-8 (µg/L)	MW-9 (µg/L)	SCDHS Well (µg/L)
12/31/92	10	34,000	81,000	1,800	15,000	14	3,600	1,300	-	-
07/06/95	-	-	140,000	-	-	13	-	1,200	60	-
12/16/96	23	5,400	NS	2,300	3,400	1	7,200	130	15	NS
03/17/97	3	6,500	NS	1,100	1,000	4	3,500	500	17	NS
06/24/97	1	8,900	32,000	47	210	3	150	73	15	NS
09/23/97	56	13,000	>10,000	25	140	33	39	17	28	NS
12/15/97	<1	10,000	92,000	15	49	<1	33	6	28	NS
03/17/98	12	7,200	34,000	68	7	2	18	13	18	NS
09/17/98	2	3,400	38,000	70	8	2	14	2	NS	NS
12/22/98	3	2,000	51,000	6	5	3	34	3	NS	NS
03/17/99	<1	870	29,000	NS	3	4	160	56	35	NS
06/30/99	22	240	25,000	NS	2	4	2	<1	15	62
10/13/99	<1	210	26,000	<1	1	4	870	<1	10	NS
12/23/99	4	270	83,000	<1	<1	5	990	3	1	1,400
03/21/00	<1	110	12,000	<1	<1	4	1,700	4	2	170
08/04/00	<1	51	10,000	<1	<1	1	10	<1	<1	170
12/21/00	<1	35	820	16	<1	2	3	3	<1	NS
03/30/01	<1	24	2,100	NS	4	<1	2	36	<1	81
06/29/01	<1	1	1,000	1.5	<1	NS	ND	1.1	ND	5
09/28/01	<1	13	410	2	<1	2	4	<1	1	20
12/19/01	<1	3	4,800	2	<1	2	4	1	2	22
03/27/02	6	10	9,600	4	3	4	3	2	16	16
06/27/02	2	6	270	<1	2	2	3	2	2	9
09/27/02	3	3	1,700	NS	5	1	NS	<1	<1	17
12/31/03	<1	3	1,800	NS	2	<1	3	34	<1	9
07/08/03	3	13	970	5	7	2	1	1	2	9
09/30/03	3	<1	340	7	<1	2	3	<1	22	7
12/15/03	<1	2	75	NS	<1	1	NS	NS	31	7
03/30/04	<1	2	30	1	<1	2	2	<1	6	6
06/30/04	<1	2	19	1	<1	2	NS	2	10	7
09/21/04	<1	3	<1	3	<1	2	2	NS	<1	6
12/10/04	<1	2	<1	NS	<1	2	NS	NS	3	9
03/16/05	<1	3	2	3	<1	NS	3	<1	5	NS
06/27/05	<1	2	2	5	<1	NS	3	3	2	NS
09/28/05	<1	2	1	1	<1	NS	2	10	9	NS
12/15/05	<1	1	4	<1	<1	NS	ND	1	ND	NS
03/27/06	<1	1.1	3.7	<1	<1	NS	ND	1.1	ND	NS
06/30/06	<1	1.0	2.0	3.0	<1	NS	<1	1.0	NS	NS
09/26/06	ND	1.1	3.7	1.5	ND	NS	ND	1.1	ND	NS
12/21/06	ND	1.0	4.0	4.0	ND	ND	2.0	ND	26.0	8.0
03/22/07	ND	2.0	5.0	3.0	ND	NS	ND	ND	1.0	NS
06/20/07	ND	1.0	9.0	ND	ND	NS	ND	16.0	3.0	NS
09/27/07	ND	2.0	8.0	ND	ND	NS	ND	ND	1.0	NS
12/11/07	ND	1.0	7.0	2.0	ND	2.0	ND	ND	2.0	5.0
03/31/08	ND	1.0	5.0	2.0	ND	NS	ND	ND	ND	NS
06/17/08	ND	1.0	5.0	2.0	ND	NS	1.0	ND	ND	NS
09/29/08	ND	ND	7.0	3.0	ND	NS	1.0	ND	1.0	NS
12/18/08	2.0	1.0	5.0	ND	ND	2.0	1.0	ND	ND	5.0
03/17/09	ND	2.0	5.0	ND	ND	NS	ND	ND	NS	NS
06/11/09	0.0	1.0	7.0	0.0	0.0	NS	0.0	0.0	ND	NS
09/30/09	ND	1.0	11.0	2.0	ND	NS	ND	ND	ND	NS
12/16/09	ND	1.0	5.0	1.0	ND	ND	1.0	ND	ND	5.0
03/17/10	ND	1.0	3.0	2.0	ND	NS	ND	ND	16.0	NS
06/16/10	ND	1.0	4.0	ND	ND	NS	1.0	ND	1.0	NS
09/23/10	ND	1.0	4.0	1.0	ND	NS	ND	ND	18.0	NS
12/09/10	ND	ND	3.0	2.0	ND	ND	2.0	ND	3.0	3.0
03/17/11	ND	ND	3.0	ND	ND	NS	ND	ND	11.0	NS
06/15/11	ND	ND	4.0	ND	ND	NS	1.0	ND	ND	NS
09/27/11	ND	ND	3.0	2.0	ND	NS	2.0	ND	3.0	NS
12/15/11	ND	ND	3.0	ND	ND	ND	ND	ND	2.0	3.0
03/12/12	ND	ND	5.0	8.0	ND	NS	ND	2.0	NS	NS
06/14/12	ND	ND	2.0	NS	ND	NS	ND	ND	18.0	7.0
09/11/12	ND	ND	6.0	1.4	2.6	NS	1.6	ND	1.4	NS
01/09/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/13	ND	ND	1.4	ND	ND	NS	ND	ND	ND	ND
06/24/13	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND
09/19/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/15/13	ND	ND	1.9	1.6	ND	1.1	ND	ND	1.9	5.3
08/12/15	3	5.4	7.3	13	3.5	ND	3.4	ND	24	3.0
06/14/16	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND
10/02/17	ND	ND	1.6	ND	ND	ND	ND	ND	ND	3.3
10/16/18	ND	0.45	0.92	1.4	0.88	ND	0.45	ND	6.5	3.8
03/01/20	ND	ND	2.8	ND	ND	ND	ND	ND	ND	2.9
11/12/20	NS	NS	NS	NS	NS	NS	NS	ND	2.5	NS
12/14/20	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS
01/14/21	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS
02/17/21	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS
03/23/21	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS
04/20/21	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS
06/23/21	NS	1.6	2	ND	ND	ND	1.4	ND	1.4	ND

Notes:
NS = Not Sampled
ND = Not Detected

TABLE 8
Monitoring Well History
PCE Concentrations

Sampling Date	GW-1 (µg/L)	GW-2 (µg/L)	GW-3 (µg/L)	SP-3 (µg/L)	SP-4 (µg/L)	SP-5 (µg/L)	SP-6 (µg/L)
12/16/96	340	110	1,800	3,900	11,000	1,300	3
03/17/97	1	42	350	1,000	15,000	610	36
06/24/97	60	190	46	120	1,100	78	10
09/23/97	4	4	9	28	360	7	39
12/15/97	6	11	23	15	110	9	1
03/17/98	7	4	27	15	57	4	<1
12/22/98	4	4	59	NS	NS	NS	NS
03/17/98	2	17	12	NS	NS	NS	NS
06/30/99	<1	15	8	NS	NS	NS	NS
10/13/99	<1	88	9	10	280	86	<1
12/23/99	<1	37	3	2	3,700	51	3
03/21/00	<1	53	6	2	6,400	35	4
08/04/00	10	54	61	2	1,100	150	1
12/21/00	<1	2	16	2	25	NS	<1
03/30/01	<1	<1	3	2	15	NS	NS
06/29/01	<1	<1	<1	ND	ND	NS	NS
09/28/01	<1	NS	47	2	3	NS	<1
12/19/01	4	4	15	6	4	30	2
03/27/02	3	5	5	4	5	13	<1
06/27/02	2	11	3	2	NS	NS	NS
09/27/02	1	9	23	2	NS	NS	NS
12/31/03	2	10	3	3	4	20	<1
07/08/03	2	6	4	3	5	3	<1
09/30/03	3	2	11	1	6	NS	1
12/15/03	<1	2	16	3	7	NS	8
03/30/04	<1	<1	4	<1	5	NS	<1
06/30/04	<1	2	NS	<1	4	3	<1
09/21/04	<1	2	4	2	4	5	<1
12/10/04	<1	2	2	3	4	4	<1
03/16/05	NS	NS	2	1	3	NS	NS
06/27/05	NS	NS	2	ND	3	2	NS
09/28/05	NS	NS	2	2	2	3	NS
12/15/05	<1	NS	4	1	11	16	NS
03/27/06	<1	NS	4.0	1.3	11.0	16.0	NS
06/30/06	NS	NS	<1	NS	NS	21.0	<1
09/26/06	NS	NS	4.0	1.3	11.0	16.0	NS
12/21/06	ND	2.0	6.0	2.0	7.0	23.0	1.0
03/22/07	NS	NS	2.0	ND	4.0	14.0	NS
06/20/07	NS	NS	1.0	ND	2.0	NS	NS
07/27/07	NS	NS	ND	3.0	2.0	2.0	NS
12/11/07	ND	4.0	7.0	2.0	4.0	NS	10
03/31/08	NS	NS	3.0	1.0	3.0	6.0	NS
06/17/08	NS	NS	2.0	ND	3.0	2.0	NS
09/29/08	NS	NS	3.0	2.0	3.0	5.0	NS
12/18/08	1.0	3.0	2.0	2.0	4.0	5.0	8.0
03/17/09	NS	NS	NS	ND	2.0	2.0	1.0
06/11/09	NS	NS	0.0	0.0	0.0	0.0	NS
09/30/09	NS	NS	1.0	ND	2.0	2.0	NS
12/16/09	1.0	2.0	2.0	ND	2.0	4.0	9.0
03/17/10	NS	NS	2.0	ND	2.0	3.0	NS
06/16/10	NS	NS	ND	ND	3.0	1.0	NS
09/23/10	NS	NS	ND	2.0	3.0	NS	NS
12/09/10	ND	ND	1.0	3.0	4.0	4.0	18.0
03/17/11	NS	NS	2.0	ND	2.0	2.0	NS
06/15/11	NS	NS	ND	ND	2.0	1.0	NS
09/27/11	NS	NS	2.0	2.0	2.0	2.0	NS
12/15/11	ND	ND	1.0	2.0	3.0	2.0	9.0
03/12/12	NS	NS	3.0	2.0	3.0	1.0	NS
06/14/12	NS	NS	ND	NS	ND	2.0	1.0
09/11/12	NS	NS	1.4	2.0	1.6	2.9	NS
01/09/13	12.0	ND	ND	ND	ND	ND	15.0
03/21/13	NS	NS	ND	ND	ND	ND	NS
06/24/13	ND	ND	ND	ND	1	ND	17
09/19/13	NS	NS	NS	NS	NS	NS	NS
11/15/13	ND	ND	ND	1.3	2.4	NS	ND
08/12/15	1.5	ND	1	1.2	2.4	NS	1.7
06/14/16	20	ND	ND	ND	2.2	NS	2.1
10/02/17	ND	ND	ND	1.4	NS	NS	21.9
10/16/18	0.2	ND	0.2	1.2	1.9	NS	4.8
03/05/20	1.7	ND	ND	1.8	1.4	NS	ND
06/23/21	ND	ND	ND	1.3	1.2	NS	ND

Notes:

NS = Not Sampled

ND = Not Detected

* Monitoring Well SP-1 is no longer accessible to sample. It has been covered over with asphalt when the facility re-paved the parking lot during the end of the second quarter 2005.

* Monitoring Well SP-2 is no longer accessible to sample. It has been covered over with asphalt when the facility re-paved the parking lot during the middle of the second quarter 2010.

* Monitoring Well GW-4 is no longer accessible to sample. It has been destroyed by vehicular traffic during the middle of the third quarter 2010.

TABLE 9
Multi-Level Well
Historical Sampling Results

Well	Interval	August-00			December-00			March-01			June-01			September-01			December-01			March-02		
		PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
L	39.5-40	26	ND	NS	NS	NS	NS	NS	NS	NS	25	4	<2	NS	NS	NS	NS	NS	NS	NS	NS	NS
K	49.5-50	36	1	NS	NS	NS	NS	NS	NS	NS	2	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
J	59.5-60	50	2	NS	NS	NS	NS	NS	NS	NS	2	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
I	69.5-70	36	ND	NS	NS	NS	NS	NS	NS	NS	4	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
H	79.5-80	20	ND	NS	NS	NS	NS	NS	NS	NS	5	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
G	89.5-90	14	ND	NS	NS	NS	NS	NS	NS	NS	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
F	99.5-100	10	ND	NS	NS	NS	NS	NS	NS	NS	4	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
E	109.5-110	17	ND	NS	NS	NS	NS	NS	NS	NS	8	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
D	119.5-120	6	ND	NS	NS	NS	NS	NS	NS	NS	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
C	129.5-130	18	ND	NS	3	<1	<1	3	<1	2	19	4	<1	5	1	9	6	2	4	4	<1	3
B	139.5-140	1100	16	NS	28	<1	2	27	2	4	15	5	<1	10	3	130	10	3	100	11	<1	66
A	149.5-150	4400	180	NS	90	15	120	290	2	130	90	6	<1	28	71	240	59	24	240	51	14	200

Well	Interval	June-02			September-02			December-02			July-03			September-03			December-03			March-04		
		PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	3	<1	3	2	<1	3	5	1	4	4	<1	2	<1	2	1	3	<1	2	2	<1	6
B	139.5-140	4	<1	60	5	1	49	13	2	23	4	1	24	4	<1	20	4	1	16	4	<1	15
A	149.5-150	19	3	110	21	4	94	7	7	180	9	1	150	5	1	120	6	2	100	6	<1	80

Well	Interval	June-04			September-04			December-04			March-05			June-05			September-05			December-05		
		PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	1	<1	9	2	<1	19	<1	<1	11	4	1	46	<1	<1	15	4	2	70	1	<1	44
B	139.5-140	5	<1	8	7	<1	5	4	<1	4	10	<1	5	5	<1	4	10	<1	2	12	<1	6
A	149.5-150	6	<1	11	10	<1	7	36	<1	14	39	11	360	15	3	36	18	3	13	12	5	120

Well	Interval	March-06			June-06			September-06			December-06			March-07			June-07			September-07		
		PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	1.5	<1	49	<1	<1	19	<1	<1	19	4	1	14	3	<1	16	<1	<1	7	4	1	15
B	139.5-140	13	1	4.8	5	<1	4	5	<1	4	13	1	6	51	2	6	5	<1	4	28	1	4
A	149.5-150	55	31	210	11	5	54	13	3.7	33	19	2	9	14	2	27	13	3	16	17	2	7

Well	Interval	December-07			March-08			June-08			September-08			December-08			March-09			June-09		
		PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	2.0	ND	11	1.0	ND	11	2.0	ND	11	7.0	3	17	1.0	2.0	10	12.0	7.0	7	ND	3	13
B	139.5-140	16	1.0	5.0	16	1.0	6.0	7	ND	3.0	14	1.0	6.0	13	3.0	7.0	9	5.0	7.0	3	18	37
A	149.5-150	15	1.0	5.0	15	1.0	4.0	12	3.0	10.0	14	1.0	4.0	10	3.0	9.0	ND	3.0	16.0	7	27	11

Well	Interval	September-09			December-09			March-10			June-10			September-10			December-10			March-11		
		PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	ND	2	17	<1	2	22	<1	6	65	<1	<1	33	<1	1	25	<1	2	50	<1	3	45
B	139.5-140	2	15	110	2	13	97	12	32	200	1	11	120	3	39	89	8	36	78	7	31	34
A	149.5-150	5	37	24	3	38	21	4	29	43	4	22	11	170	98	95	3	14	30	3	13	7

Well	Interval	June-11			September-11			December-11			March-12			June-12			September-12			January-13		
		PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	ND	ND	16	ND	1	42	ND	ND	3	ND	ND	19	ND	ND	13	ND	ND	18	ND	ND	18
B	139.5-140	1	12	69	2	26	100	5	36	130	2	12	120	1	14	82	ND	9.2	120	ND	7.0	150
A	149.5-150	3	11	40	3	9	22	13	15	46	5	7	81	3	6	67	1.4	6.2	76	ND	6.6	100

Well	Interval	March-13			June-13			November-13			August-15			June-16			September-17			October-18		
		PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	ND	ND	21	ND	ND	13	ND	1.4	37	ND	ND	19	ND	ND	3	ND	ND	ND	ND	ND	ND
B	139.5-140	ND	5.5	120	ND	7.2	110	ND	4.4	110	ND	ND	3	ND	1.2	5	ND	2.0	3	0.87	2.1	1.7
A	149.5-150	3.3	5.5	53	ND	6.9	35	1.2	5.4	41	3.9	2.9	21	3.6	2.1	11	2.7	3.5	20	3.4	4.1	3.5

Well	Interval	March-20			November-20			December-20			January-21			February-21			March-21			April-21		
		PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
G	89.5-90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
F	99.5-100	NS	NS	NS	NS	NS	2.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
C	129.5-130	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
B	139.5-140	ND	2.3	ND	ND	3.2	ND	ND	3.4	ND	1.0	6.0	9.6	1.7	14.1	23.2	2.2	16.8	20.0	2.5	20.9	18.3
A	149.5-150	2.6	3.1	ND	3.3	5.3	ND	2.4	6.1	ND	4.6	ND	3.3	13.7	11.2	5.5	6.0	13.3	5.6	8.9	22.9	10.7

Well	Interval	June-21		
		PCE	TCE	DCE
G	89.5-90	NS	NS	NS
F	99.5-100	NS	NS	NS
C	129.5-130	ND	ND	ND
B	139.5-140	ND	10.7	20.8
A	149.5-150	2.6	10.3	4.1

Notes:
 ND = Not Detected
 NS = Not Sampled
 Intervals D (119.5 - 120) through L (39.5-40) have not been sampled since June 2001 where the concentrations have shown non-detect or near non-detect results.

TABLE 10
Groundwater Well Sample Results Summary
April 2020 to June 2021

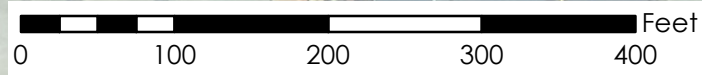
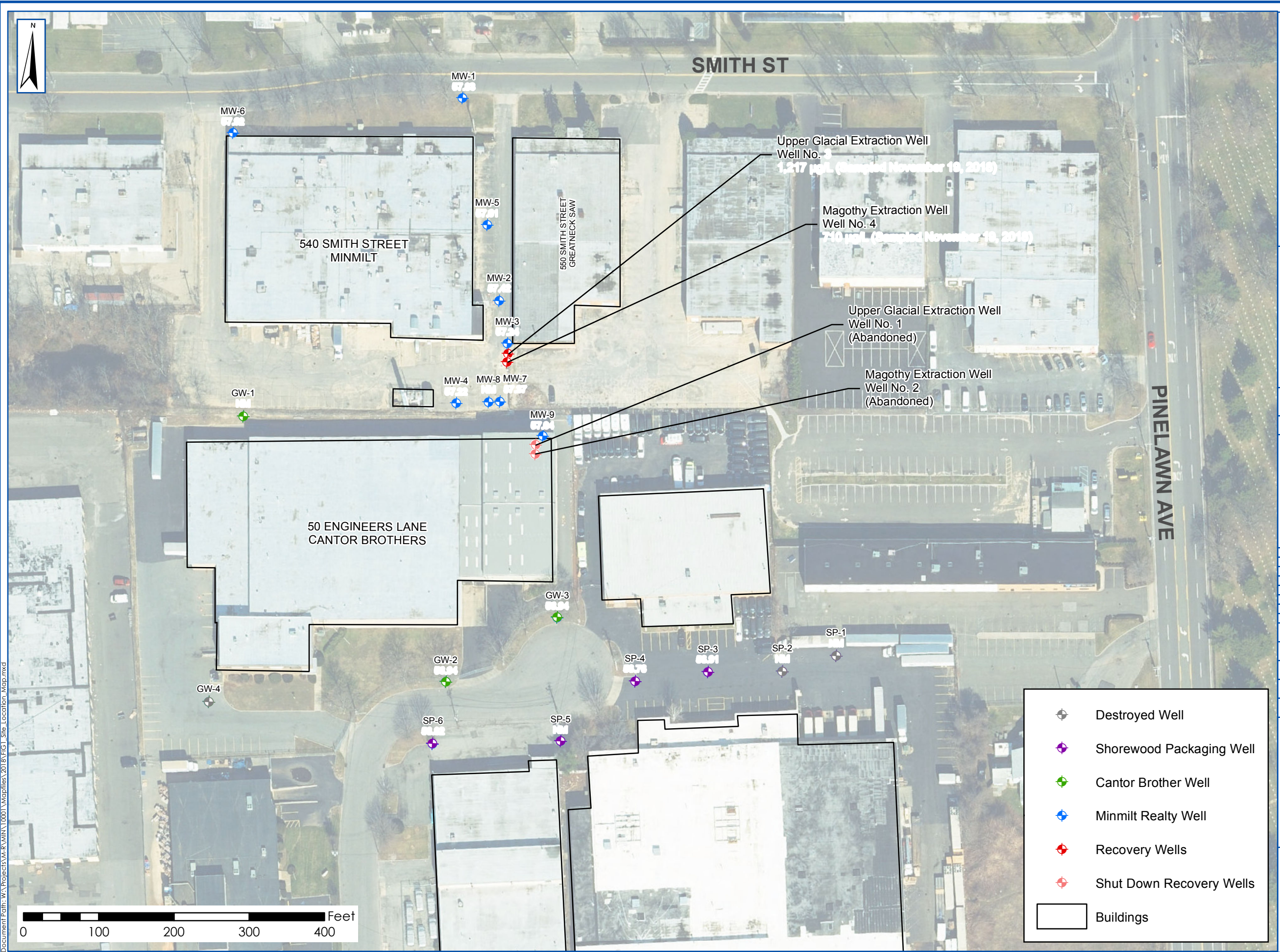
Parameters	Units	November 2020						December 2020						January 2021						February 2021						NYSDEC G.W. Standards
		MW-8	MW-9	ML-1A	ML-1B	ML-1F	ML-1G	MW-8	MW-9	ML-1A	ML-1B	ML-1F	ML-1G	MW-8	MW-9	ML-1A	ML-1B	ML-1F	ML-1G	MW-8	MW-9	ML-1A	ML-1B	ML-1F	ML-1G	
TOC	mg/L	4.70	4.1	49.1	2.3	<1.0	1.7	8.30	12.3	3.1	1.9	3.6	2.0	7.70	1.2	6.3	7.8	2.2	2.6	6.30	8.6	34.4	23.2	20.9	15.9	NS
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1-Dichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Chloroform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Trichloroethylene	µg/L	<1.0	2.5	5.3	3.2	<1.0	<1.0	<1.0	<1.0	6.1	3.4	<1.0	<1.0	<1.0	<1.0	<1.0	6.0	<1.0	<1.0	<1.0	<1.0	11.2	14.1	<1.0	<1.0	5
Tetrachloroethene	µg/L	<1.0	<1.0	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	4.6	1.0	<1.0	<1.0	<1.0	<1.0	13.7	1.7	<1.0	<1.0	5
Benzene	µg/L	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	0.4
1,2-Dichloroethene (total)	µg/L	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	2.2	3.0	<2.0	<2.0	<2.0	<2.0	3.3	9.6	<2.0	<2.0	<2.0	<2.0	5.5	23.2	<2.0	<2.0	5
Ethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Vinyl Chloride	µg/L													<1.0	<1.0	13.2	5.4	2.4	6.5	<1.0	<1.0	7.5	6.9	2.8	4.2	2
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Xylene (total)	µg/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5
TVOC's	µg/L	ND	2.5	8.6	3.2	2.1	ND	ND	ND	10.7	6.4	ND	ND	ND	ND	21.1	22	2.4	6.5	ND	ND	37.9	45.9	2.8	4.2	

Parameters	Units	March 2021						April 2021						June 2021				NYSDEC G.W. Standards
		MW-8	MW-9	ML-1A	ML-1B	ML-1F	ML-1G	MW-8	MW-9	ML-1A	ML-1B	ML-1F	ML-1G	MW-8	MW-9	ML-1A	ML-1B	
TOC	mg/L	1.50	3.4	4.4	5.3	4.2	5.2	1.20	51.7	10	5.2	5.4	8.1	NC	NC	NC	NC	NS
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1-Dichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Chloroform	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Trichloroethylene	µg/L	<1.0	<1.0	13.3	16.8	<1.0	<1.0	<1.0	<1.0	22.9	20.9	<1.0	<1.0	<1.0	<1.0	10.3	10.7	5
Tetrachloroethene	µg/L	<1.0	<1.0	6.0	2.2	<1.0	<1.0	<1.0	<1.0	8.9	2.5	<1.0	<1.0	<1.0	1.4	2.6	<1.0	5
Benzene	µg/L	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.75	<0.75	<0.75	<0.75	0.4
1,2-Dichloroethene (total)	µg/L	<2.0	<2.0	5.6	20	<2.0	<2.0	<2.0	<2.0	10.7	18.3	<2.0	<2.0	<2.0	<2.0	4.1	20.8	5
Ethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Vinyl Chloride	µg/L	<1.0	<1.0	8.3	9.1	3.9	4.5	<1.0	<1.0	7.4	5.9	2.2	3.5	<1.0	<1.0	3.5	4.6	2
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Xylene (total)	µg/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5
TVOC's	µg/L	ND	ND	33.2	48.1	3.9	4.5	ND	ND	57.3	47.6	2.2	3.5	ND	ND	20.5	36.1	

NC - Not Collected
NS - No Standard
ND - Not Detected
Highlighted text denotes exceedance of NYSDEC Groundwater Standards



FIGURES



- Destroyed Well
- Shorewood Packaging Well
- Cantor Brother Well
- Minmilt Realty Well
- Recovery Wells
- Shut Down Recovery Wells
- Buildings



P.W. Grosser Consulting, Inc.

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DRAWING PREPARED FOR:

PERIODIC REVIEW REPORT
MINMILT REALTY CORP.
352 CARNATION DRIVE
FARMINGDALE, NY 11735

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	MIN1001	Designed by:	RB
Date:	2/12/2019	Drawn by:	PH
Scale:	AS SHOWN	Approved by:	RB

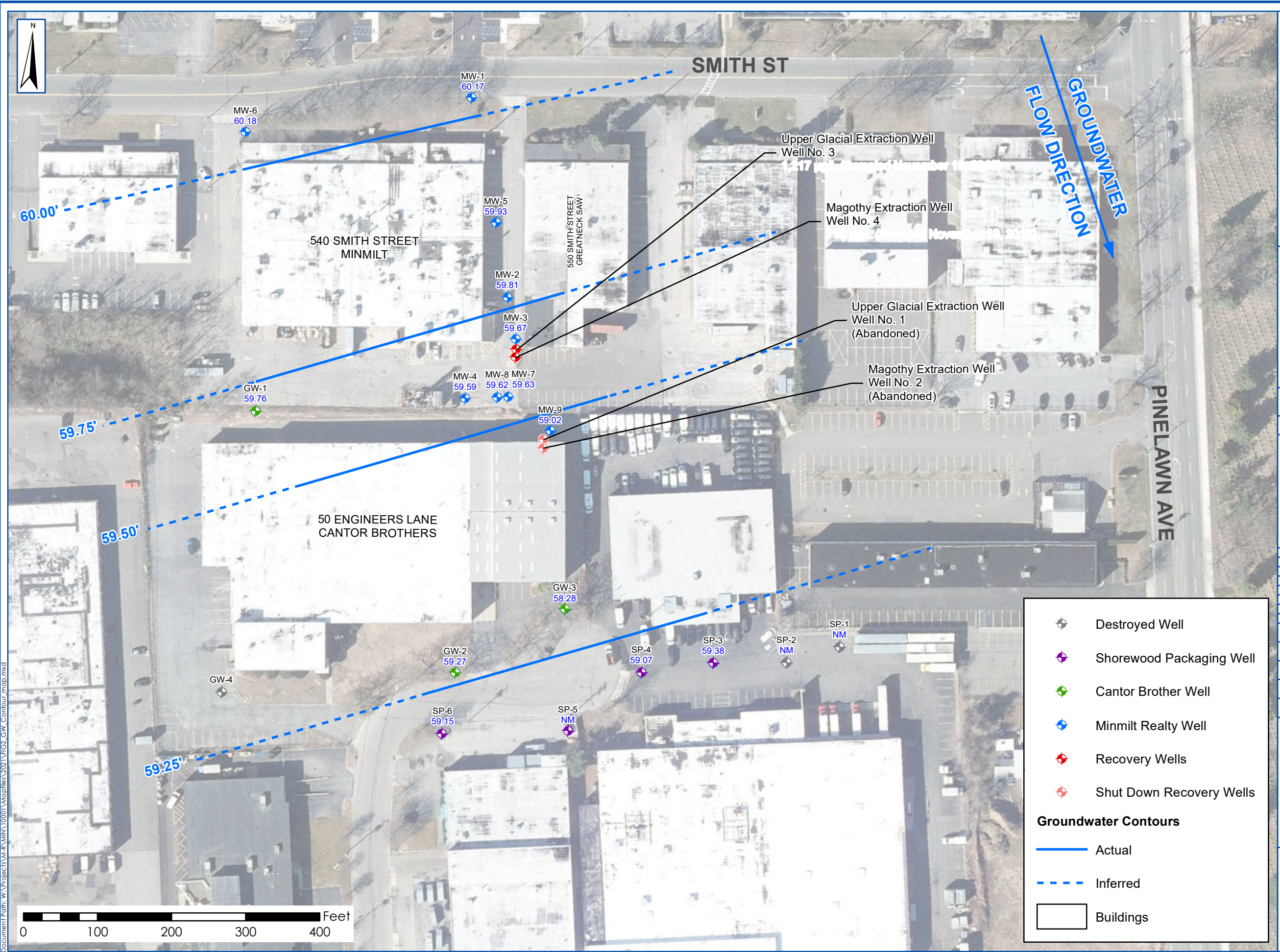
SITE LOCATION MAP

540 SMITH ST
EAST FARMINGDALE, NY

FIGURE NO: 1

SHEET:

Document Path: W:\Projects\14-R\MIN1000\Mapfiles\2018\FIG1_Site_Location_Map.mxd



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MINMILT REALTY CORP.
352 CARNATION DRIVE
FARMINGDALE, NY 11735

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	MIN1001	Designed by:	RB
Date:	10/12/2021	Drawn by:	PH
Scale:	AS SHOWN	Approved by:	RB

GROUNDWATER CONTOUR MAP
540 SMITH ST
EAST FARMINGDALE, NY

FIGURE NO:
2

SHEET:

- Destroyed Well
 - Shorewood Packaging Well
 - Cantor Brother Well
 - Minmilt Realty Well
 - Recovery Wells
 - Shut Down Recovery Wells
- Groundwater Contours**
- Actual
 - Inferred
 - Buildings

Document Path: W:\Projects\14-R\MIN10001\Mapfiles\2021\Fig2_GW_Combur.mxd



550 SMITH STREET
GREATNECK SAW

- Injection Point
- Drywell with historic PCE discharges
- Soil Boring (May 2020)
- Hot Spot Zone (80-95' bgs)
- Downgradient Barrier Zone (80-95' bgs. and 115-135' bgs)
- Tax Lot Boundaries



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PERIODIC REVIEW REPORT
MINMILT REALTY CORP.
352 CARNATION DRIVE
FARMINGDALE, NY 11735

REVISION DATE INITIAL COMMENTS

DRAWING INFORMATION:

Project:	MIN2004	Designed by:	RM
Date:	1/7/2021	Drawn by:	PH
Scale:	AS SHOWN	Approved by:	RM

INJECTION POINTS

540 SMITH ST
EAST FARMINGDALE, NY

FIGURE NO: 3

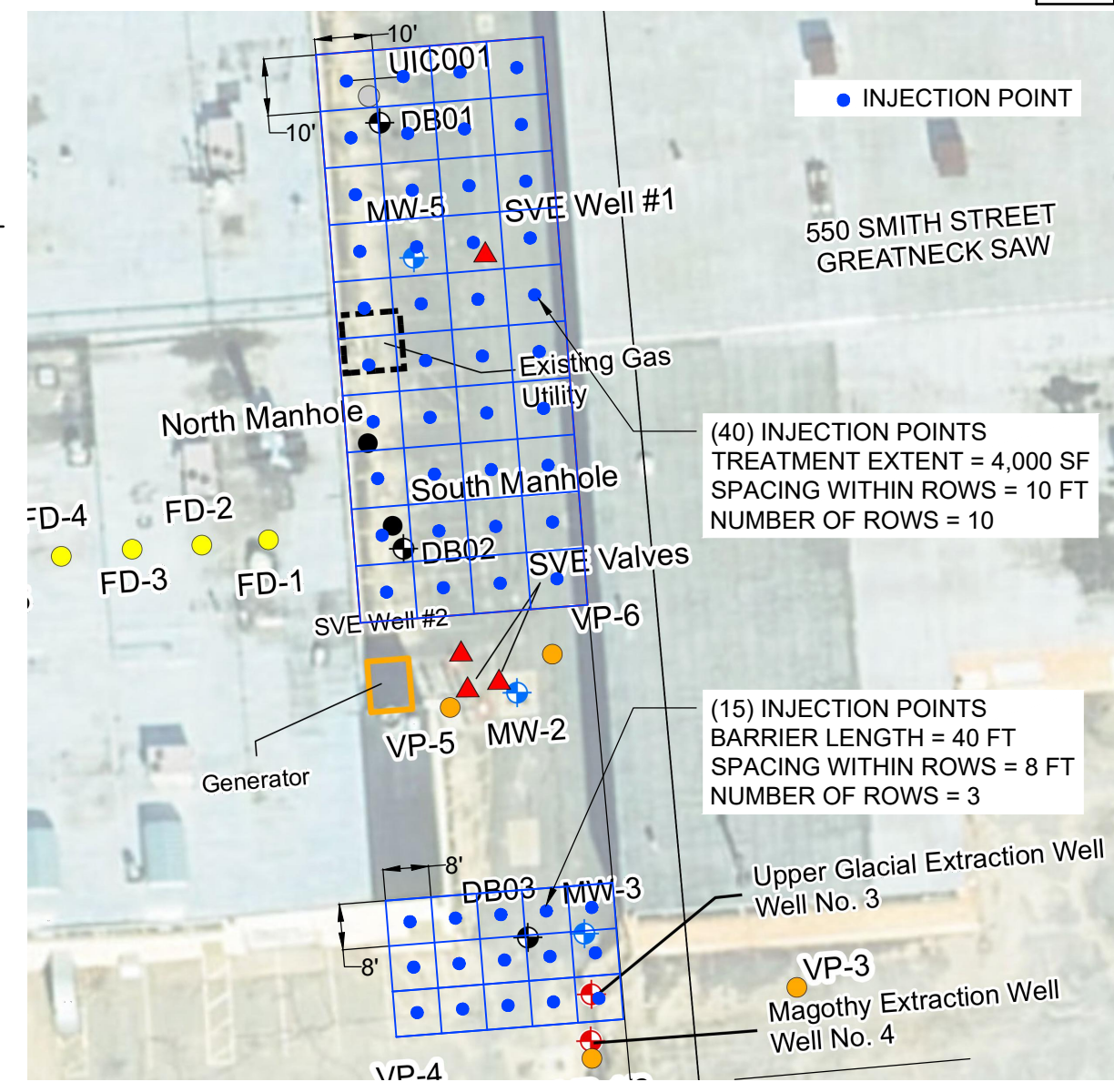
SHEET:

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LEGEND

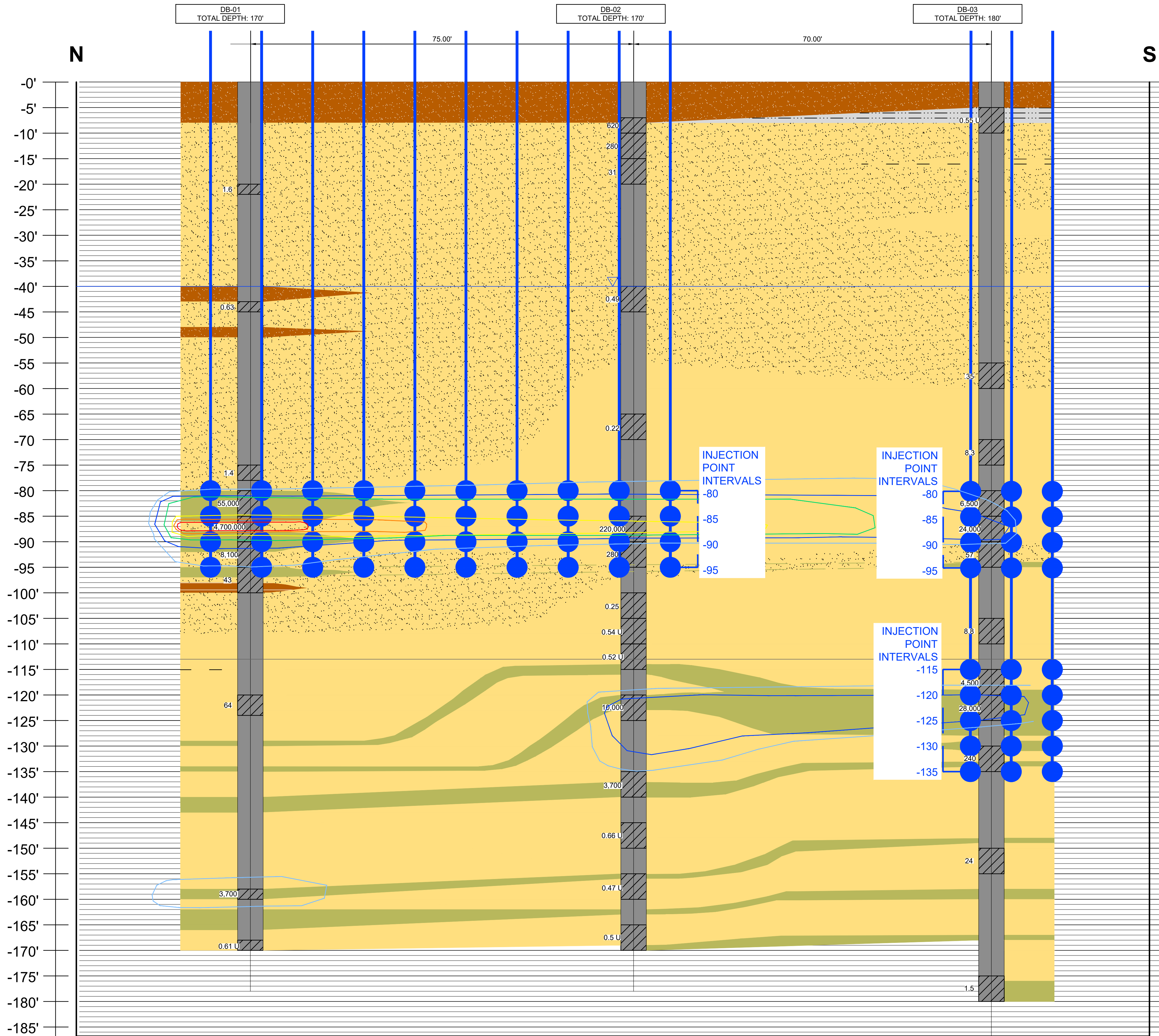
SYMBOL	NOTES
	SAND
	SAND W/ SILT
	SAND W/ CLAY
	SAND W/ GRAVEL
	SILT W/ GRAVEL
	SILT W/ CLAY
	CLAY
	INTERBEDDED SAND SILT AND CLAY
	INFERRED CLAY LAYER
	INFERRED GROUNDWATER LEVEL
	SAMPLE INTERVALS WITH PERC CONC. (PPB)
	PERC. CONCENTRATION CONTOURS BASED ON MAY 2020 INVESTIGATION
	4,000,000 PPB
	1,000,000 PPB
	100,000 PPB
	50,000 PPB
	10,000 PPB
	5,000 PPB

- NOTES:
- SOIL BORINGS PERFORMED BY ADT DRILLING USING A SONIC DRILLING RIG FROM MAY 18, 2020 TO MAY 21, 2020.
 - SAMPLING PERFORMED BY PWGC VIA TERA-CORE SAMPLING.
 - U = NOT DETECTED AT THE REPORTED DETECTION LIMIT FOR THE SAMPLE.



INJECTION POINTS PLAN VIEW
NOT TO SCALE

FEET BELOW GROUND LEVEL



INJECTION POINT INTERVALS
VERTICAL SCALE: 1" = 10'
HORIZONTAL SCALE: 1" = 10'

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. GROSSER CONSULTING ENGINEER AND HYDROGEOLOGIST, P.C.
630 Johnson Avenue, Suite 7
Bohemia, NY - 11716-2619
Phone: (631) 589-6353 - Fax: (631) 589-8705
E-mail: INFO@PWGCROSSER.COM

CONSULTANTS

Number	Revision Description	Revision Date
7		
6		
5		
4		
3		
2		
1		

Designed By	HS/RN	Date Submitted	8/18/2020
Drawn By	HS/RN	Date Created	8/18/2020
Approved By	RM	Scale	AS SHOWN

Client:
MINIMILT REALTY CORP.
352 CARNATION DRIVE
FARMINGDALE, NEW YORK 11735

Project Address:
540 SMITH STREET
EAST FARMINGDALE, TOWN OF BABYLON
SUFFOLK COUNTY, NEW YORK

County Tax Map Number: _____ Contract Number: _____
Regulatory Reference Number: _____

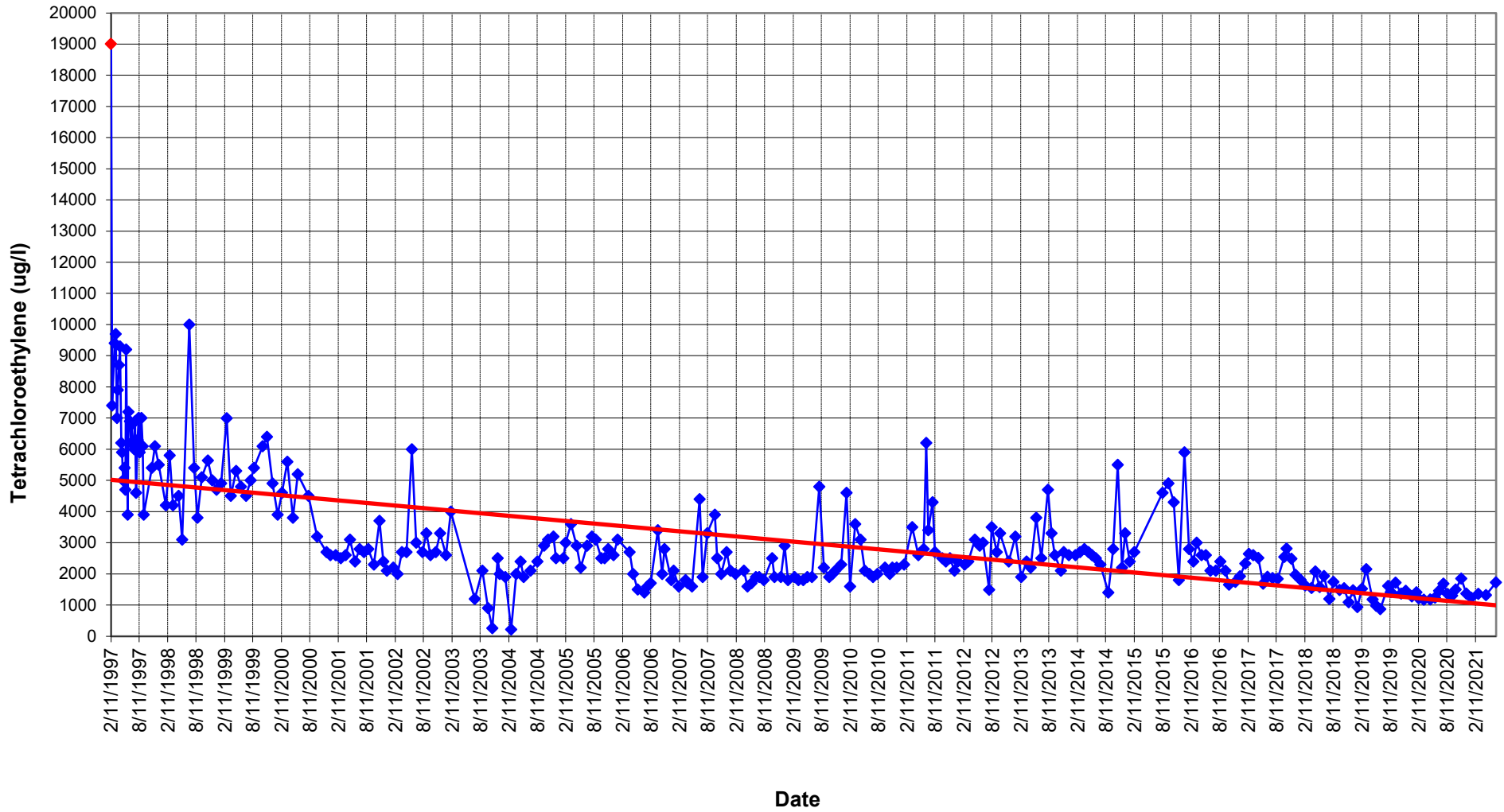
FIGURE 4
GEOLOGIC CROSS SECTION
AND INJECTION POINT
INTERVALS

Unauthorized alteration or addition to this drawing and related documents is a violation of Section 7209 of the New York State Education Law.

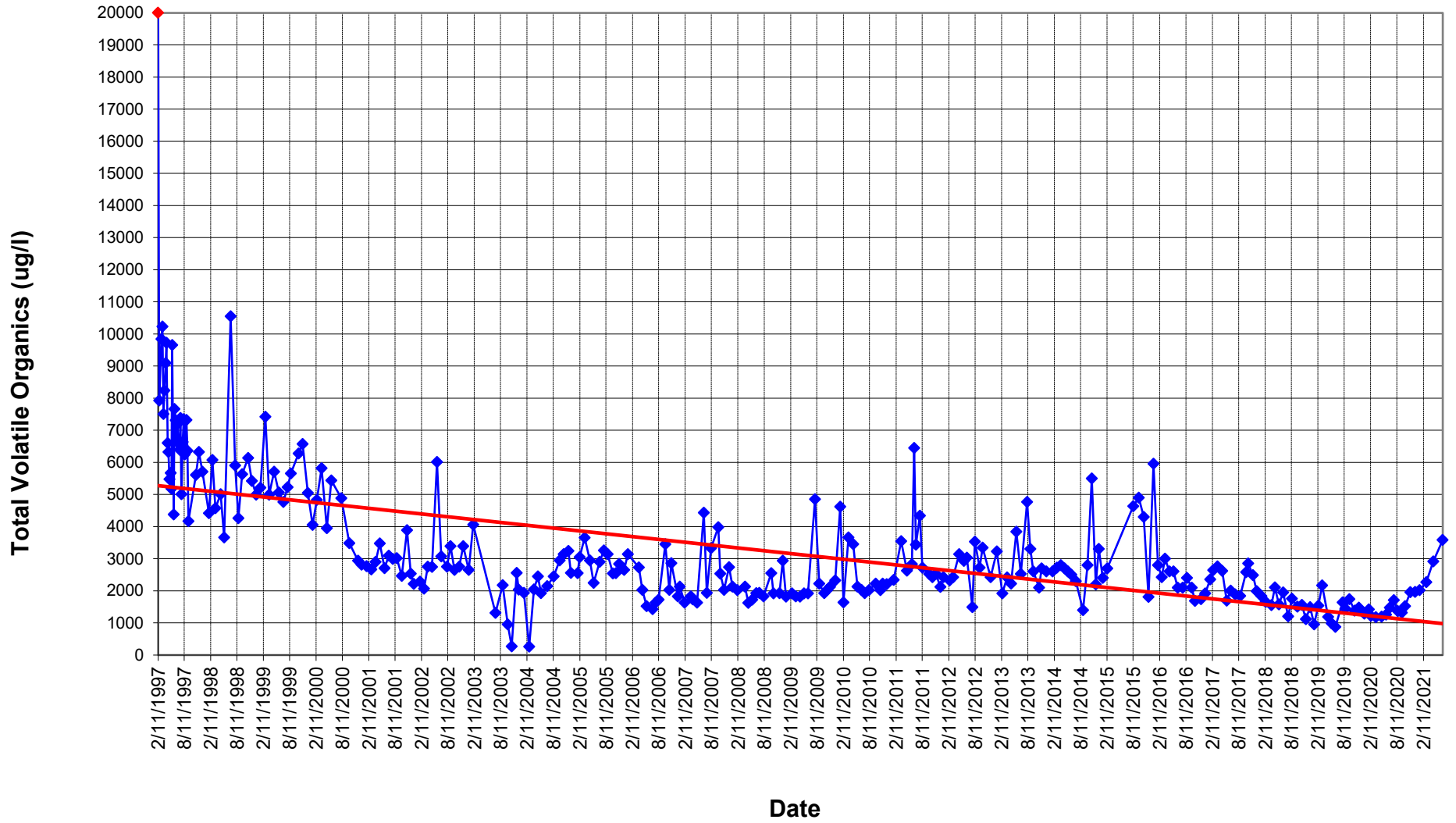


GRAPHS

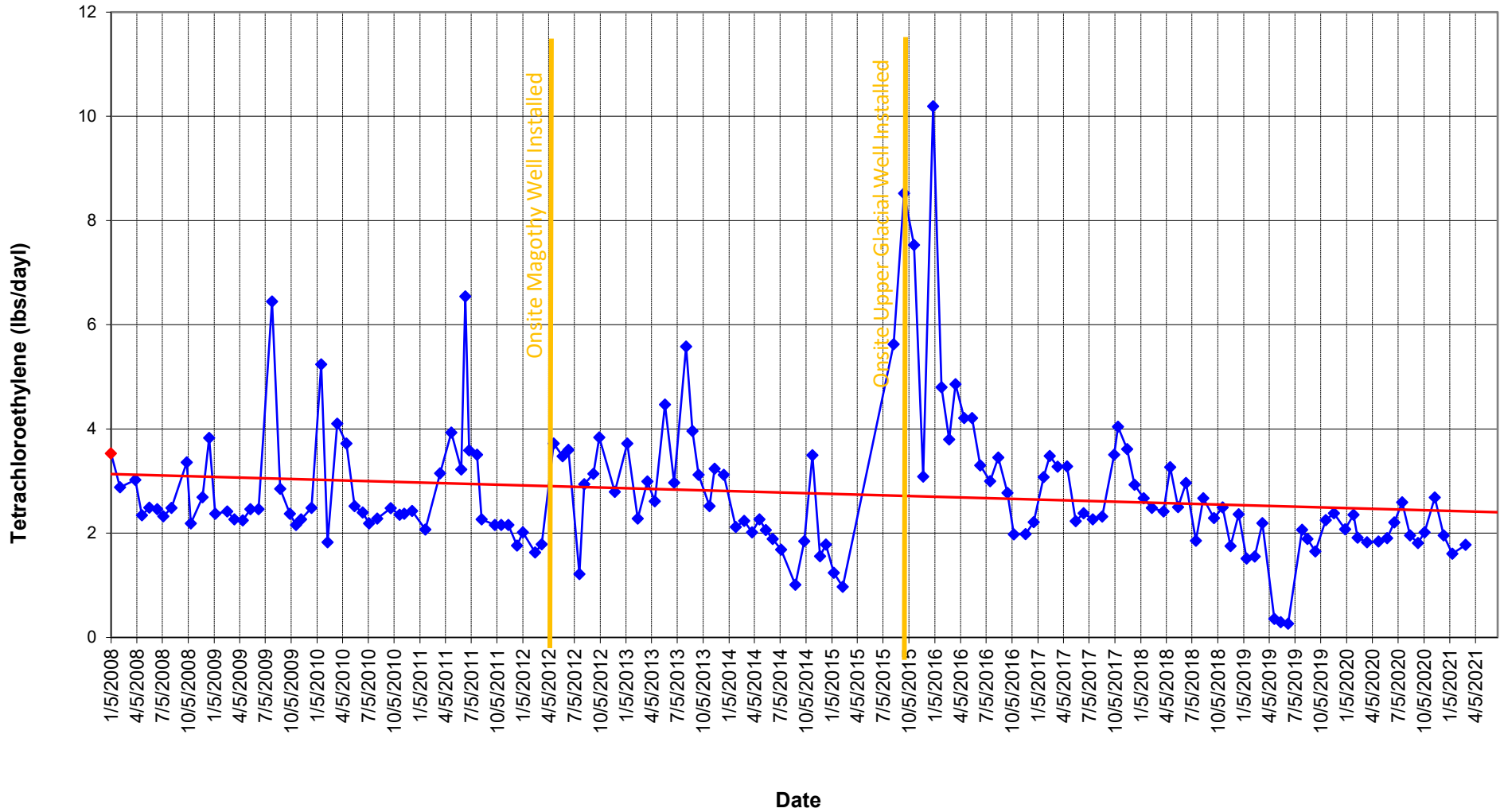
Graph 1
Tetrachloroethylene Concentrations
Combined RW System Influent



Graph 2
Total Volatile Organic Concentrations
Combined RW System Influent



Graph 3
Tetrachloroethylene Removal Rates
January 2008 through June 2021
Combined GW System Influent





APPENDIX A

Annual Inspection Checklist

MINMILT REALTY SITE
540 SMITH STREET
FARMINGDALE, NEW YORK

Date: 04/20/2021

Inspector (name/organization): Kaitlyn Crosby / P.W. Grosser Consulting, Inc.

Detail the condition of monitoring wells – Confirm well integrity; note damage to well casing, j-plug, cover; note missing bolts:

The monitoring wells appear to be in good condition

Detail the condition of soil vapor extraction system, including, above grade piping, one blower, and one pressure alarm:

No damage was observed in the above-grade piping and/or blowers. The pressure readings indicated that the blowers were functioning as intended.

Detail the condition of ground cover and evidence of ground intrusive activity:

The site is stabilized with building, asphalt pavement and grass. No evidence of ground intrusive activities was observed.

Are any repairs and/or maintenance needed at this time? If so, conduct another inspection following repairs.

N/A



Kaitlyn Crosby

04/20/2021

Name

Signature

Date



APPENDIX B

January 21, 2021

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN MILT
Pace Project No.: 70159443

Dear Kaitlyn Crosby:

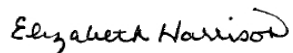
Enclosed are the analytical results for sample(s) received by the laboratory on January 14, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN MILT

Pace Project No.: 70159443

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: SYS-EFF	Lab ID: 70159443001	Collected: 01/14/21 11:00	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	11400	ug/L	100	1	01/15/21 10:48	01/19/21 11:25	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		01/18/21 23:20	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/18/21 23:20	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/18/21 23:20	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/18/21 23:20	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/18/21 23:20	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/18/21 23:20	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/18/21 23:20	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/18/21 23:20	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		01/18/21 23:20	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/18/21 23:20	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/18/21 23:20	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/18/21 23:20	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	107-06-2	
1,2-Dichloroethene (Total)	6.0	ug/L	2.0	1		01/18/21 23:20	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:20	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/18/21 23:20	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:20	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:20	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/18/21 23:20	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/18/21 23:20	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/18/21 23:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/18/21 23:20	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/18/21 23:20	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	79-34-5	
Tetrachloroethene	6.2	ug/L	1.0	1		01/18/21 23:20	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/18/21 23:20	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:20	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/18/21 23:20	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/18/21 23:20	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	70-123	1		01/18/21 23:20	17060-07-0	
4-Bromofluorobenzene (S)	90	%	66-119	1		01/18/21 23:20	460-00-4	
Toluene-d8 (S)	99	%	82-121	1		01/18/21 23:20	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	7.1	Std. Units	0.10	1		01/15/21 12:14		H3,H6
Temperature, Water (C)	20.1	deg C	0.10	1		01/15/21 12:14		H3,H6

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: SYS-EFF		Lab ID: 70159443001	Collected: 01/14/21 11:00	Received: 01/14/21 12:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	2.0	mg/L	1.0	1		01/15/21 16:50	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: SYS-INF	Lab ID: 70159443002	Collected: 01/14/21 11:10	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	8730	ug/L	100	1	01/15/21 10:48	01/19/21 11:27	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 12:52	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 12:52	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 12:52	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 12:52	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 12:52	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 12:52	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 12:52	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 12:52	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 12:52	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 12:52	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 12:52	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 12:52	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	107-06-2	
1,2-Dichloroethene (Total)	457	ug/L	20.0	10		01/15/21 13:19	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 12:52	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 12:52	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 12:52	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 12:52	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 12:52	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 12:52	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 12:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 12:52	108-10-1	L1
Styrene	<1.0	ug/L	1.0	1		01/15/21 12:52	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	79-34-5	
Tetrachloroethene	1240	ug/L	10.0	10		01/15/21 13:19	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 12:52	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	79-00-5	
Trichloroethene	321	ug/L	10.0	10		01/15/21 13:19	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/15/21 12:52	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 12:52	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-123	1		01/15/21 12:52	17060-07-0	
4-Bromofluorobenzene (S)	93	%	66-119	1		01/15/21 12:52	460-00-4	
Toluene-d8 (S)	98	%	82-121	1		01/15/21 12:52	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	6.0	Std. Units	0.10	1		01/15/21 12:20		H3,H6
Temperature, Water (C)	20.0	deg C	0.10	1		01/15/21 12:20		H3,H6

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: SYS-INF	Lab ID: 70159443002	Collected: 01/14/21 11:10	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC								
Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	2.0	mg/L	1.0	1		01/15/21 17:35	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: MAG	Lab ID: 70159443003	Collected: 01/14/21 11:30	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	5320	ug/L	100	1	01/18/21 10:51	01/20/21 11:45	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		01/15/21 12:06	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 12:06	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 12:06	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 12:06	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 12:06	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 12:06	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 12:06	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 12:06	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 12:06	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 12:06	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 12:06	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 12:06	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	107-06-2	
1,2-Dichloroethene (Total)	387	ug/L	20.0	10		01/15/21 12:33	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 12:06	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 12:06	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 12:06	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 12:06	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 12:06	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 12:06	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 12:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 12:06	108-10-1	L1
Styrene	<1.0	ug/L	1.0	1		01/15/21 12:06	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	79-34-5	
Tetrachloroethene	808	ug/L	10.0	10		01/15/21 12:33	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 12:06	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	79-00-5	
Trichloroethene	123	ug/L	1.0	1		01/15/21 12:06	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/15/21 12:06	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 12:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	70-123	1		01/15/21 12:06	17060-07-0	
4-Bromofluorobenzene (S)	92	%	66-119	1		01/15/21 12:06	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		01/15/21 12:06	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.1	Std. Units	0.10	1		01/15/21 12:25		H3,H6
Temperature, Water (C)	18.3	deg C	0.10	1		01/15/21 12:25		H3,H6

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: MAG	Lab ID: 70159443003	Collected: 01/14/21 11:30	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC								
Analytical Method: SM22 5310B								
Pace Analytical Services - Melville								
Total Organic Carbon	1.9	mg/L	1.0	1		01/15/21 17:46	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: UG	Lab ID: 70159443004	Collected: 01/14/21 11:20	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	10200	ug/L	100	1	01/18/21 10:51	01/20/21 11:47	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 13:39	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 13:39	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 13:39	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 13:39	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 13:39	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 13:39	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 13:39	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 13:39	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 13:39	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 13:39	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 13:39	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 13:39	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	107-06-2	
1,2-Dichloroethene (Total)	523	ug/L	50.0	25		01/15/21 14:12	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 13:39	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 13:39	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 13:39	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 13:39	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 13:39	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 13:39	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 13:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 13:39	108-10-1	L1
Styrene	<1.0	ug/L	1.0	1		01/15/21 13:39	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	79-34-5	
Tetrachloroethene	1900	ug/L	25.0	25		01/15/21 14:12	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 13:39	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	79-00-5	
Trichloroethene	594	ug/L	25.0	25		01/15/21 14:12	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/15/21 13:39	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 13:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	70-123	1		01/15/21 13:39	17060-07-0	
4-Bromofluorobenzene (S)	93	%	66-119	1		01/15/21 13:39	460-00-4	
Toluene-d8 (S)	95	%	82-121	1		01/15/21 13:39	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	6.1	Std. Units	0.10	1		01/15/21 12:22		H3,H6
Temperature, Water (C)	17.2	deg C	0.10	1		01/15/21 12:22		H3,H6

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: UG	Lab ID: 70159443004		Collected: 01/14/21 11:20	Received: 01/14/21 12:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC								
Analytical Method: SM22 5310B								
Pace Analytical Services - Melville								
Total Organic Carbon	2.6	mg/L	1.0	1		01/15/21 17:57	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: MW-8	Lab ID: 70159443005	Collected: 01/14/21 07:30	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 15:10	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 15:10	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 15:10	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 15:10	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 15:10	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 15:10	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 15:10	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 15:10	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 15:10	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	75-00-3	M1
Chloroform	<1.0	ug/L	1.0	1		01/15/21 15:10	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 15:10	74-87-3	M1
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 15:10	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		01/15/21 15:10	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 15:10	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 15:10	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 15:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 15:10	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 15:10	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 15:10	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 15:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 15:10	108-10-1	L1,M0
Styrene	<1.0	ug/L	1.0	1		01/15/21 15:10	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/15/21 15:10	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 15:10	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/15/21 15:10	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/15/21 15:10	75-01-4	M1
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 15:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	70-123	1		01/15/21 15:10	17060-07-0	
4-Bromofluorobenzene (S)	92	%	66-119	1		01/15/21 15:10	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		01/15/21 15:10	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	7.7	mg/L	1.0	1		01/15/21 18:32	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: MW-9	Lab ID: 70159443006	Collected: 01/14/21 09:00	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/18/21 23:39	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/18/21 23:39	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/18/21 23:39	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/18/21 23:39	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/18/21 23:39	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/18/21 23:39	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/18/21 23:39	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/18/21 23:39	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		01/18/21 23:39	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/18/21 23:39	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/18/21 23:39	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/18/21 23:39	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		01/18/21 23:39	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:39	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/18/21 23:39	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:39	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:39	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/18/21 23:39	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/18/21 23:39	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/18/21 23:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/18/21 23:39	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/18/21 23:39	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/18/21 23:39	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/18/21 23:39	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:39	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/18/21 23:39	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/18/21 23:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-123	1		01/18/21 23:39	17060-07-0	
4-Bromofluorobenzene (S)	92	%	66-119	1		01/18/21 23:39	460-00-4	
Toluene-d8 (S)	100	%	82-121	1		01/18/21 23:39	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	1.2	mg/L	1.0	1		01/15/21 18:42	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: ML-1A	Lab ID: 70159443007	Collected: 01/14/21 10:00	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 15:48	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 15:48	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 15:48	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 15:48	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 15:48	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 15:48	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 15:48	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 15:48	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 15:48	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 15:48	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 15:48	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 15:48	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	107-06-2	
1,2-Dichloroethene (Total)	3.3	ug/L	2.0	1		01/15/21 15:48	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 15:48	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 15:48	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 15:48	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 15:48	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 15:48	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 15:48	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 15:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 15:48	108-10-1	L1
Styrene	<1.0	ug/L	1.0	1		01/15/21 15:48	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	79-34-5	
Tetrachloroethene	4.6	ug/L	1.0	1		01/15/21 15:48	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 15:48	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	79-00-5	
Trichloroethene	7.7	ug/L	1.0	1		01/15/21 15:48	79-01-6	
Vinyl chloride	13.2	ug/L	1.0	1		01/15/21 15:48	75-01-4	IH,v1
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 15:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-123	1		01/15/21 15:48	17060-07-0	
4-Bromofluorobenzene (S)	92	%	66-119	1		01/15/21 15:48	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		01/15/21 15:48	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	6.3	mg/L	1.0	1		01/15/21 18:55	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: ML-1B	Lab ID: 70159443008	Collected: 01/14/21 10:10	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/18/21 23:57	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/18/21 23:57	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/18/21 23:57	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/18/21 23:57	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/18/21 23:57	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/18/21 23:57	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/18/21 23:57	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/18/21 23:57	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		01/18/21 23:57	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/18/21 23:57	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/18/21 23:57	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/18/21 23:57	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	107-06-2	
1,2-Dichloroethene (Total)	9.6	ug/L	2.0	1		01/18/21 23:57	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:57	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/18/21 23:57	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:57	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:57	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/18/21 23:57	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/18/21 23:57	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/18/21 23:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/18/21 23:57	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/18/21 23:57	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	79-34-5	
Tetrachloroethene	1.0	ug/L	1.0	1		01/18/21 23:57	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/18/21 23:57	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	79-00-5	
Trichloroethene	6.0	ug/L	1.0	1		01/18/21 23:57	79-01-6	
Vinyl chloride	5.4	ug/L	1.0	1		01/18/21 23:57	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/18/21 23:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	70-123	1		01/18/21 23:57	17060-07-0	
4-Bromofluorobenzene (S)	91	%	66-119	1		01/18/21 23:57	460-00-4	
Toluene-d8 (S)	100	%	82-121	1		01/18/21 23:57	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	7.8	mg/L	1.0	1		01/15/21 19:07	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: ML-1F	Lab ID: 70159443009	Collected: 01/14/21 10:20	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/19/21 00:35	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/19/21 00:35	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/19/21 00:35	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/19/21 00:35	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/19/21 00:35	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/19/21 00:35	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/19/21 00:35	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/19/21 00:35	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		01/19/21 00:35	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/19/21 00:35	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/19/21 00:35	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/19/21 00:35	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		01/19/21 00:35	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/19/21 00:35	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/19/21 00:35	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/19/21 00:35	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/19/21 00:35	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/19/21 00:35	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/19/21 00:35	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/19/21 00:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/19/21 00:35	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/19/21 00:35	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/19/21 00:35	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/19/21 00:35	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/19/21 00:35	79-01-6	
Vinyl chloride	2.4	ug/L	1.0	1		01/19/21 00:35	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/19/21 00:35	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-123	1		01/19/21 00:35	17060-07-0	
4-Bromofluorobenzene (S)	91	%	66-119	1		01/19/21 00:35	460-00-4	
Toluene-d8 (S)	101	%	82-121	1		01/19/21 00:35	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	2.2	mg/L	1.0	1		01/15/21 19:18	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: ML-1G	Lab ID: 70159443010	Collected: 01/14/21 10:30	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 23:08	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/15/21 23:08	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 23:08	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 23:08	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 23:08	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 23:08	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 23:08	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 23:08	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 23:08	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 23:08	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 23:08	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 23:08	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		01/15/21 23:08	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 23:08	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 23:08	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 23:08	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 23:08	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 23:08	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 23:08	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 23:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 23:08	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/15/21 23:08	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/15/21 23:08	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 23:08	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/15/21 23:08	79-01-6	
Vinyl chloride	6.5	ug/L	1.0	1		01/15/21 23:08	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 23:08	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	121	%	70-123	1		01/15/21 23:08	17060-07-0	
4-Bromofluorobenzene (S)	97	%	66-119	1		01/15/21 23:08	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		01/15/21 23:08	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	2.6	mg/L	1.0	1		01/20/21 21:14	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193150 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443001, 70159443002

METHOD BLANK: 947679 Matrix: Water
Associated Lab Samples: 70159443001, 70159443002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	01/19/21 10:07	

LABORATORY CONTROL SAMPLE: 947680

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2070	104	85-115	

MATRIX SPIKE SAMPLE: 947682

Parameter	Units	70159272001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	34700	2000	37100	119	70-130	

MATRIX SPIKE SAMPLE: 947684

Parameter	Units	70159272002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5370	2000	7630	113	70-130	

SAMPLE DUPLICATE: 947681

Parameter	Units	70159272001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	34700	35300	2	

SAMPLE DUPLICATE: 947683

Parameter	Units	70159272002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	5370	5380	0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193341 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443003, 70159443004

METHOD BLANK: 948648 Matrix: Water
Associated Lab Samples: 70159443003, 70159443004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	01/20/21 10:56	

LABORATORY CONTROL SAMPLE: 948649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	1910	95	85-115	

MATRIX SPIKE SAMPLE: 948651

Parameter	Units	70159610001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	124	2000	2100	99	70-130	

MATRIX SPIKE SAMPLE: 948653

Parameter	Units	70159610002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	2000	2170	104	70-130	

SAMPLE DUPLICATE: 948650

Parameter	Units	70159610001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	124	131	6	

SAMPLE DUPLICATE: 948652

Parameter	Units	70159610002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193127 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70159443002, 70159443003, 70159443004, 70159443005, 70159443007

METHOD BLANK: 947622 Matrix: Water
Associated Lab Samples: 70159443002, 70159443003, 70159443004, 70159443005, 70159443007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/15/21 09:00	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	01/15/21 09:00	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/15/21 09:00	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/15/21 09:00	IL
2-Hexanone	ug/L	<5.0	5.0	01/15/21 09:00	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/15/21 09:00	
Acetone	ug/L	<5.0	5.0	01/15/21 09:00	IC
Benzene	ug/L	<0.70	0.70	01/15/21 09:00	
Bromodichloromethane	ug/L	<1.0	1.0	01/15/21 09:00	
Bromoform	ug/L	<1.0	1.0	01/15/21 09:00	
Bromomethane	ug/L	<1.0	1.0	01/15/21 09:00	
Carbon disulfide	ug/L	<1.0	1.0	01/15/21 09:00	
Carbon tetrachloride	ug/L	<1.0	1.0	01/15/21 09:00	
Chlorobenzene	ug/L	<1.0	1.0	01/15/21 09:00	
Chloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
Chloroform	ug/L	<1.0	1.0	01/15/21 09:00	
Chloromethane	ug/L	<1.0	1.0	01/15/21 09:00	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/15/21 09:00	
Dibromochloromethane	ug/L	<1.0	1.0	01/15/21 09:00	
Ethylbenzene	ug/L	<1.0	1.0	01/15/21 09:00	
Methylene Chloride	ug/L	<1.0	1.0	01/15/21 09:00	
Styrene	ug/L	<1.0	1.0	01/15/21 09:00	
Tetrachloroethene	ug/L	<1.0	1.0	01/15/21 09:00	
Toluene	ug/L	<1.0	1.0	01/15/21 09:00	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/15/21 09:00	
Trichloroethene	ug/L	<1.0	1.0	01/15/21 09:00	
Vinyl chloride	ug/L	<1.0	1.0	01/15/21 09:00	
Xylene (Total)	ug/L	<3.0	3.0	01/15/21 09:00	
1,2-Dichloroethane-d4 (S)	%	102	70-123	01/15/21 09:00	
4-Bromofluorobenzene (S)	%	92	66-119	01/15/21 09:00	
Toluene-d8 (S)	%	96	82-121	01/15/21 09:00	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

LABORATORY CONTROL SAMPLE: 947623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.9	92	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	56.9	114	75-122	
1,1,2-Trichloroethane	ug/L	50	55.7	111	80-122	
1,1-Dichloroethane	ug/L	50	55.9	112	68-127	
1,1-Dichloroethene	ug/L	50	43.1	86	65-123	
1,2-Dichloroethane	ug/L	50	57.4	115	73-128	
1,2-Dichloroethene (Total)	ug/L	100	104	104	72-124	
1,2-Dichloropropane	ug/L	50	58.6	117	79-117	
2-Butanone (MEK)	ug/L	50	37.5	75	28-169	IL
2-Hexanone	ug/L	50	61.3	123	59-138	
4-Methyl-2-pentanone (MIBK)	ug/L	50	67.4	135	70-129	L1,v1
Acetone	ug/L	50	87.4	175	10-225	IC,v1
Benzene	ug/L	50	54.4	109	73-121	
Bromodichloromethane	ug/L	50	54.7	109	74-127	
Bromoform	ug/L	50	56.6	113	55-128	
Bromomethane	ug/L	50	58.4	117	12-176	IH
Carbon disulfide	ug/L	50	50.9	102	57-129	
Carbon tetrachloride	ug/L	50	44.2	88	64-122	
Chlorobenzene	ug/L	50	52.8	106	76-117	
Chloroethane	ug/L	50	57.4	115	60-129	
Chloroform	ug/L	50	52.8	106	74-129	
Chloromethane	ug/L	50	47.4	95	43-126	
cis-1,3-Dichloropropene	ug/L	50	51.2	102	65-134	
Dibromochloromethane	ug/L	50	54.0	108	71-130	
Ethylbenzene	ug/L	50	51.0	102	70-120	
Methylene Chloride	ug/L	50	54.6	109	69-126	
Styrene	ug/L	50	50.9	102	80-121	
Tetrachloroethene	ug/L	50	50.1	100	65-120	
Toluene	ug/L	50	54.2	108	77-120	
trans-1,3-Dichloropropene	ug/L	50	47.8	96	54-139	
Trichloroethene	ug/L	50	51.6	103	73-116	
Vinyl chloride	ug/L	50	62.5	125	50-130	IH,v1
Xylene (Total)	ug/L	150	155	103	73-120	
1,2-Dichloroethane-d4 (S)	%			102	70-123	
4-Bromofluorobenzene (S)	%			93	66-119	
Toluene-d8 (S)	%			96	82-121	

MATRIX SPIKE SAMPLE: 948686

Parameter	Units	70159443005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	47.1	94	60-127	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	53.9	108	74-118	
1,1,2-Trichloroethane	ug/L	<1.0	50	52.5	105	80-120	
1,1-Dichloroethane	ug/L	<1.0	50	58.1	116	69-131	
1,1-Dichloroethene	ug/L	<1.0	50	48.1	96	70-129	

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

MATRIX SPIKE SAMPLE: 948686		70159443005	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	54.8	110	70-129	v1
1,2-Dichloroethene (Total)	ug/L	<2.0	100	109	109	67-132	
1,2-Dichloropropane	ug/L	<1.0	50	56.4	113	77-118	v1
2-Butanone (MEK)	ug/L	<5.0	50	37.2	74	15-159	IL,v3
2-Hexanone	ug/L	<5.0	50	61.1	122	60-127	v1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	65.8	132	66-129	M0
Acetone	ug/L	<5.0	50	88.7	174	10-189	IC,v1
Benzene	ug/L	<0.70	50	55.4	111	74-126	
Bromodichloromethane	ug/L	<1.0	50	51.6	103	71-125	
Bromoform	ug/L	<1.0	50	51.8	104	40-128	
Bromomethane	ug/L	<1.0	50	54.3	109	10-179	
Carbon disulfide	ug/L	<1.0	50	61.6	123	60-131	
Carbon tetrachloride	ug/L	<1.0	50	51.7	103	64-125	
Chlorobenzene	ug/L	<1.0	50	51.2	102	72-121	
Chloroethane	ug/L	<1.0	50	72.8	146	54-137	M1,v1
Chloroform	ug/L	<1.0	50	53.3	107	73-128	
Chloromethane	ug/L	<1.0	50	78.4	157	45-123	M1
cis-1,3-Dichloropropene	ug/L	<1.0	50	48.0	96	57-130	
Dibromochloromethane	ug/L	<1.0	50	50.2	100	59-132	
Ethylbenzene	ug/L	<1.0	50	50.7	101	67-126	
Methylene Chloride	ug/L	<1.0	50	55.1	110	65-129	
Styrene	ug/L	<1.0	50	48.2	96	74-121	
Tetrachloroethene	ug/L	<1.0	50	51.4	103	59-131	
Toluene	ug/L	<1.0	50	54.3	109	76-124	
trans-1,3-Dichloropropene	ug/L	<1.0	50	43.2	86	42-140	
Trichloroethene	ug/L	<1.0	50	53.3	107	78-119	
Vinyl chloride	ug/L	<1.0	50	98.7	197	45-141	IH,M1,v1
Xylene (Total)	ug/L	<3.0	150	151	101	69-125	
1,2-Dichloroethane-d4 (S)	%				103	70-123	
4-Bromofluorobenzene (S)	%				93	66-119	
Toluene-d8 (S)	%				98	82-121	

SAMPLE DUPLICATE: 948687

Parameter	Units	70159443007	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	3.3	3.3	1	
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		IL,v3
2-Hexanone	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: MIN MILT

Pace Project No.: 70159443

SAMPLE DUPLICATE: 948687

Parameter	Units	70159443007 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		IC
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	4.6	4.5		3
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	7.7	7.9		2
Vinyl chloride	ug/L	13.2	12.9		2 IH,v1
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	103	104		
4-Bromofluorobenzene (S)	%	92	91		
Toluene-d8 (S)	%	97	95		

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193212	Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C	Analysis Description: 8260 MSV
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443010

METHOD BLANK: 948061 Matrix: Water
Associated Lab Samples: 70159443010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/15/21 14:46	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	01/15/21 14:46	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/15/21 14:46	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/15/21 14:46	IL
2-Hexanone	ug/L	<5.0	5.0	01/15/21 14:46	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/15/21 14:46	
Acetone	ug/L	<5.0	5.0	01/15/21 14:46	
Benzene	ug/L	<0.70	0.70	01/15/21 14:46	
Bromodichloromethane	ug/L	<1.0	1.0	01/15/21 14:46	
Bromoform	ug/L	<1.0	1.0	01/15/21 14:46	
Bromomethane	ug/L	<1.0	1.0	01/15/21 14:46	
Carbon disulfide	ug/L	<1.0	1.0	01/15/21 14:46	
Carbon tetrachloride	ug/L	<1.0	1.0	01/15/21 14:46	
Chlorobenzene	ug/L	<1.0	1.0	01/15/21 14:46	
Chloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
Chloroform	ug/L	<1.0	1.0	01/15/21 14:46	
Chloromethane	ug/L	<1.0	1.0	01/15/21 14:46	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/15/21 14:46	
Dibromochloromethane	ug/L	<1.0	1.0	01/15/21 14:46	
Ethylbenzene	ug/L	<1.0	1.0	01/15/21 14:46	
Methylene Chloride	ug/L	<1.0	1.0	01/15/21 14:46	
Styrene	ug/L	<1.0	1.0	01/15/21 14:46	
Tetrachloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
Toluene	ug/L	<1.0	1.0	01/15/21 14:46	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/15/21 14:46	
Trichloroethene	ug/L	<1.0	1.0	01/15/21 14:46	
Vinyl chloride	ug/L	<1.0	1.0	01/15/21 14:46	
Xylene (Total)	ug/L	<3.0	3.0	01/15/21 14:46	
1,2-Dichloroethane-d4 (S)	%	95	70-123	01/15/21 14:46	
4-Bromofluorobenzene (S)	%	96	66-119	01/15/21 14:46	
Toluene-d8 (S)	%	100	82-121	01/15/21 14:46	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

LABORATORY CONTROL SAMPLE: 948062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.6	105	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	103	75-122	
1,1,2-Trichloroethane	ug/L	50	51.5	103	80-122	
1,1-Dichloroethane	ug/L	50	47.6	95	68-127	
1,1-Dichloroethene	ug/L	50	45.1	90	65-123	
1,2-Dichloroethane	ug/L	50	47.3	95	73-128	
1,2-Dichloroethene (Total)	ug/L	100	98.3	98	72-124	
1,2-Dichloropropane	ug/L	50	49.7	99	79-117	
2-Butanone (MEK)	ug/L	50	55.0	110	28-169 IL	
2-Hexanone	ug/L	50	65.9	132	59-138 v1	
4-Methyl-2-pentanone (MIBK)	ug/L	50	56.1	112	70-129	
Acetone	ug/L	50	71.1	142	10-225 v1	
Benzene	ug/L	50	47.3	95	73-121	
Bromodichloromethane	ug/L	50	52.4	105	74-127	
Bromoform	ug/L	50	41.6	83	55-128	
Bromomethane	ug/L	50	51.0	102	12-176	
Carbon disulfide	ug/L	50	46.6	93	57-129	
Carbon tetrachloride	ug/L	50	45.6	91	64-122	
Chlorobenzene	ug/L	50	50.5	101	76-117	
Chloroethane	ug/L	50	46.0	92	60-129	
Chloroform	ug/L	50	47.1	94	74-129	
Chloromethane	ug/L	50	46.6	93	43-126	
cis-1,3-Dichloropropene	ug/L	50	52.5	105	65-134	
Dibromochloromethane	ug/L	50	45.9	92	71-130	
Ethylbenzene	ug/L	50	50.6	101	70-120	
Methylene Chloride	ug/L	50	47.3	95	69-126	
Styrene	ug/L	50	52.3	105	80-121	
Tetrachloroethene	ug/L	50	51.5	103	65-120	
Toluene	ug/L	50	50.7	101	77-120	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	54-139	
Trichloroethene	ug/L	50	50.5	101	73-116	
Vinyl chloride	ug/L	50	45.8	92	50-130	
Xylene (Total)	ug/L	150	150	100	73-120	
1,2-Dichloroethane-d4 (S)	%			97	70-123	
4-Bromofluorobenzene (S)	%			99	66-119	
Toluene-d8 (S)	%			100	82-121	

MATRIX SPIKE SAMPLE: 948746

Parameter	Units	30401455002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	44.7	89	60-127	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	51.5	103	74-118	
1,1,2-Trichloroethane	ug/L	ND	50	55.2	110	80-120	
1,1-Dichloroethane	ug/L	ND	50	65.9	132	69-131 M1	
1,1-Dichloroethene	ug/L	ND	50	71.1	142	70-129 M1	

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

MATRIX SPIKE SAMPLE: 948746		30401455002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	50	67.5	135	70-129	M1
1,2-Dichloroethene (Total)	ug/L	ND	100	128	128	67-132	
1,2-Dichloropropane	ug/L	ND	50	50.9	102	77-118	
2-Butanone (MEK)	ug/L	ND	50	70.5	141	15-159	IL
2-Hexanone	ug/L	ND	50	50.8	102	60-127	v1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	44.7	89	66-129	
Acetone	ug/L	ND	50	73.1	140	10-189	v1
Benzene	ug/L	ND	50	48.8	98	74-126	
Bromodichloromethane	ug/L	ND	50	46.5	93	71-125	
Bromoform	ug/L	ND	50	28.9	58	40-128	
Bromomethane	ug/L	ND	50	54.6	109	10-179	
Carbon disulfide	ug/L	ND	50	66.2	132	60-131	M1
Carbon tetrachloride	ug/L	ND	50	28.2	56	64-125	M1
Chlorobenzene	ug/L	ND	50	43.8	88	72-121	
Chloroethane	ug/L	ND	50	66.2	132	54-137	
Chloroform	ug/L	ND	50	65.5	131	73-128	M1
Chloromethane	ug/L	ND	50	69.5	139	45-123	M1
cis-1,3-Dichloropropene	ug/L	ND	50	35.3	71	57-130	
Dibromochloromethane	ug/L	ND	50	36.8	74	59-132	
Ethylbenzene	ug/L	ND	50	34.9	70	67-126	
Methylene Chloride	ug/L	ND	50	64.5	129	65-129	
Styrene	ug/L	ND	50	39.4	79	74-121	
Tetrachloroethene	ug/L	ND	50	52.9	106	59-131	
Toluene	ug/L	ND	50	37.8	76	76-124	
trans-1,3-Dichloropropene	ug/L	ND	50	25.9	52	42-140	
Trichloroethene	ug/L	ND	50	57.6	115	78-119	
Vinyl chloride	ug/L	ND	50	67.0	134	45-141	
Xylene (Total)	ug/L	ND	150	124	83	69-125	
1,2-Dichloroethane-d4 (S)	%				124	70-123	S0
4-Bromofluorobenzene (S)	%				88	66-119	
Toluene-d8 (S)	%				85	82-121	

SAMPLE DUPLICATE: 948745

Parameter	Units	30401455001	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/L	ND	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	ND	<1.0		
1,1,2-Trichloroethane	ug/L	ND	<1.0		
1,1-Dichloroethane	ug/L	ND	<1.0		
1,1-Dichloroethene	ug/L	ND	<1.0		
1,2-Dichloroethane	ug/L	ND	<1.0		
1,2-Dichloroethene (Total)	ug/L	ND	<2.0		
1,2-Dichloropropane	ug/L	ND	<1.0		
2-Butanone (MEK)	ug/L	ND	<5.0		IL
2-Hexanone	ug/L	ND	<5.0		

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QUALITY CONTROL DATA

Project: MIN MILT

Pace Project No.: 70159443

SAMPLE DUPLICATE: 948745

Parameter	Units	30401455001 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	ND	<5.0		
Acetone	ug/L	ND	<5.0		v1
Benzene	ug/L	2.0	1.8	11	
Bromodichloromethane	ug/L	ND	<1.0		
Bromoform	ug/L	ND	<1.0		
Bromomethane	ug/L	ND	<1.0		
Carbon disulfide	ug/L	ND	<1.0		
Carbon tetrachloride	ug/L	ND	<1.0		
Chlorobenzene	ug/L	ND	<1.0		
Chloroethane	ug/L	ND	<1.0		
Chloroform	ug/L	ND	<1.0		
Chloromethane	ug/L	ND	<1.0		
cis-1,3-Dichloropropene	ug/L	ND	<1.0		
Dibromochloromethane	ug/L	ND	<1.0		
Ethylbenzene	ug/L	ND	<1.0		
Methylene Chloride	ug/L	ND	<1.0		
Styrene	ug/L	ND	<1.0		
Tetrachloroethene	ug/L	ND	<1.0		
Toluene	ug/L	4.5	3.7	18	
trans-1,3-Dichloropropene	ug/L	ND	<1.0		
Trichloroethene	ug/L	ND	<1.0		
Vinyl chloride	ug/L	ND	<1.0		
Xylene (Total)	ug/L	8.9	9.3	5	
1,2-Dichloroethane-d4 (S)	%	107	120		
4-Bromofluorobenzene (S)	%	94	98		
Toluene-d8 (S)	%	100	103		

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193407 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70159443001, 70159443006, 70159443008, 70159443009

METHOD BLANK: 948883 Matrix: Water
Associated Lab Samples: 70159443001, 70159443006, 70159443008, 70159443009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/18/21 21:22	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	01/18/21 21:22	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/18/21 21:22	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/18/21 21:22	IL
2-Hexanone	ug/L	<5.0	5.0	01/18/21 21:22	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/18/21 21:22	
Acetone	ug/L	<5.0	5.0	01/18/21 21:22	
Benzene	ug/L	<0.70	0.70	01/18/21 21:22	
Bromodichloromethane	ug/L	<1.0	1.0	01/18/21 21:22	
Bromoform	ug/L	<1.0	1.0	01/18/21 21:22	
Bromomethane	ug/L	<1.0	1.0	01/18/21 21:22	
Carbon disulfide	ug/L	<1.0	1.0	01/18/21 21:22	
Carbon tetrachloride	ug/L	<1.0	1.0	01/18/21 21:22	
Chlorobenzene	ug/L	<1.0	1.0	01/18/21 21:22	
Chloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
Chloroform	ug/L	<1.0	1.0	01/18/21 21:22	
Chloromethane	ug/L	<1.0	1.0	01/18/21 21:22	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/18/21 21:22	
Dibromochloromethane	ug/L	<1.0	1.0	01/18/21 21:22	
Ethylbenzene	ug/L	<1.0	1.0	01/18/21 21:22	
Methylene Chloride	ug/L	<1.0	1.0	01/18/21 21:22	
Styrene	ug/L	<1.0	1.0	01/18/21 21:22	
Tetrachloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
Toluene	ug/L	<1.0	1.0	01/18/21 21:22	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/18/21 21:22	
Trichloroethene	ug/L	<1.0	1.0	01/18/21 21:22	
Vinyl chloride	ug/L	<1.0	1.0	01/18/21 21:22	
Xylene (Total)	ug/L	<3.0	3.0	01/18/21 21:22	
1,2-Dichloroethane-d4 (S)	%	106	70-123	01/18/21 21:22	
4-Bromofluorobenzene (S)	%	91	66-119	01/18/21 21:22	
Toluene-d8 (S)	%	100	82-121	01/18/21 21:22	

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

LABORATORY CONTROL SAMPLE: 948884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.5	115	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	46.2	92	75-122	
1,1,2-Trichloroethane	ug/L	50	46.9	94	80-122	
1,1-Dichloroethane	ug/L	50	44.8	90	68-127	
1,1-Dichloroethene	ug/L	50	43.6	87	65-123	
1,2-Dichloroethane	ug/L	50	49.0	98	73-128	
1,2-Dichloroethene (Total)	ug/L	100	95.3	95	72-124	
1,2-Dichloropropane	ug/L	50	45.2	90	79-117	
2-Butanone (MEK)	ug/L	50	50.4	101	28-169 IL	
2-Hexanone	ug/L	50	49.7	99	59-138	
4-Methyl-2-pentanone (MIBK)	ug/L	50	47.8	96	70-129	
Acetone	ug/L	50	40.5	81	10-225 v1	
Benzene	ug/L	50	43.2	86	73-121	
Bromodichloromethane	ug/L	50	59.0	118	74-127 v1	
Bromoform	ug/L	50	48.5	97	55-128	
Bromomethane	ug/L	50	50.4	101	12-176	
Carbon disulfide	ug/L	50	45.7	91	57-129	
Carbon tetrachloride	ug/L	50	69.6	139	64-122 L1,v1	
Chlorobenzene	ug/L	50	45.6	91	76-117	
Chloroethane	ug/L	50	41.1	82	60-129	
Chloroform	ug/L	50	47.2	94	74-129	
Chloromethane	ug/L	50	43.5	87	43-126	
cis-1,3-Dichloropropene	ug/L	50	67.1	134	65-134 v1	
Dibromochloromethane	ug/L	50	55.6	111	71-130	
Ethylbenzene	ug/L	50	44.9	90	70-120	
Methylene Chloride	ug/L	50	48.0	96	69-126	
Styrene	ug/L	50	46.0	92	80-121	
Tetrachloroethene	ug/L	50	46.1	92	65-120	
Toluene	ug/L	50	44.5	89	77-120	
trans-1,3-Dichloropropene	ug/L	50	55.1	110	54-139	
Trichloroethene	ug/L	50	45.2	90	73-116	
Vinyl chloride	ug/L	50	40.1	80	50-130	
Xylene (Total)	ug/L	150	136	90	73-120	
1,2-Dichloroethane-d4 (S)	%			106	70-123	
4-Bromofluorobenzene (S)	%			96	66-119	
Toluene-d8 (S)	%			101	82-121	

MATRIX SPIKE SAMPLE: 949420

Parameter	Units	70159717002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	49.5	99	60-127	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	44.7	89	74-118	
1,1,2-Trichloroethane	ug/L	<1.0	50	47.8	96	80-120	
1,1-Dichloroethane	ug/L	<1.0	50	42.3	85	69-131	
1,1-Dichloroethene	ug/L	<1.0	50	43.9	88	70-129	

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

MATRIX SPIKE SAMPLE: 949420

Parameter	Units	70159717002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	46.6	93	70-129	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	95.4	95	67-132	
1,2-Dichloropropane	ug/L	<1.0	50	45.3	91	77-118	
2-Butanone (MEK)	ug/L	<5.0	50	45.0	90	15-159 IL	
2-Hexanone	ug/L	<5.0	50	53.1	106	60-127	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50.2	100	66-129	
Acetone	ug/L	<5.0	50	39.1	78	10-189 v1	
Benzene	ug/L	<1.0	50	44.4	89	74-126	
Bromodichloromethane	ug/L	<1.0	50	50.5	101	71-125 v1	
Bromoform	ug/L	<1.0	50	35.6	71	40-128	
Bromomethane	ug/L	<1.0	50	45.1	90	10-179	
Carbon disulfide	ug/L	<1.0	50	42.3	85	60-131	
Carbon tetrachloride	ug/L	<1.0	50	49.3	99	64-125 v1	
Chlorobenzene	ug/L	<1.0	50	47.4	95	72-121	
Chloroethane	ug/L	<1.0	50	39.1	78	54-137	
Chloroform	ug/L	<1.0	50	45.3	91	73-128	
Chloromethane	ug/L	<1.0	50	41.1	82	45-123	
cis-1,3-Dichloropropene	ug/L	<1.0	50	54.3	109	57-130 v1	
Dibromochloromethane	ug/L	<1.0	50	43.9	88	59-132	
Ethylbenzene	ug/L	<1.0	50	47.3	95	67-126	
Methylene Chloride	ug/L	<1.0	50	44.5	89	65-129	
Styrene	ug/L	<1.0	50	46.8	94	74-121	
Tetrachloroethene	ug/L	<1.0	50	48.2	96	59-131	
Toluene	ug/L	<1.0	50	46.1	92	76-124	
trans-1,3-Dichloropropene	ug/L	<1.0	50	41.5	83	42-140	
Trichloroethene	ug/L	<1.0	50	47.3	95	78-119	
Vinyl chloride	ug/L	<1.0	50	38.7	77	45-141	
Xylene (Total)	ug/L	<3.0	150	140	94	69-125	
1,2-Dichloroethane-d4 (S)	%				100	70-123	
4-Bromofluorobenzene (S)	%				95	66-119	
Toluene-d8 (S)	%				103	82-121	

SAMPLE DUPLICATE: 949419

Parameter	Units	70159443008 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	9.6	9.0	6	
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		IL
2-Hexanone	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: MIN MILT

Pace Project No.: 70159443

SAMPLE DUPLICATE: 949419

Parameter	Units	70159443008 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	6.0	5.7	5	
Vinyl chloride	ug/L	5.4	5.0	9	
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	100	101		
4-Bromofluorobenzene (S)	%	91	91		
Toluene-d8 (S)	%	100	98		

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QUALITY CONTROL DATA

Project: MIN MILT

Pace Project No.: 70159443

QC Batch: 193159

Analysis Method: SM22 4500-H+B

QC Batch Method: SM22 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443001, 70159443002, 70159443003, 70159443004

SAMPLE DUPLICATE: 947707

Parameter	Units	70159562001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	8.3	8.3	0	H3,H6
Temperature, Water (C)	deg C	21.7	21.6	0	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch:	193123	Analysis Method:	SM22 5310B
QC Batch Method:	SM22 5310B	Analysis Description:	5310B TOC
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70159443001, 70159443002, 70159443003, 70159443004, 70159443005, 70159443006, 70159443007, 70159443008, 70159443009

METHOD BLANK: 947614 Matrix: Water
Associated Lab Samples: 70159443001, 70159443002, 70159443003, 70159443004, 70159443005, 70159443006, 70159443007, 70159443008, 70159443009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	01/15/21 16:05	

LABORATORY CONTROL SAMPLE: 947615

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	10.2	102	85-115	

MATRIX SPIKE SAMPLE: 947617

Parameter	Units	70159443001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.0	10	11.5	95	75-125	

SAMPLE DUPLICATE: 947616

Parameter	Units	70159469003 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193653	Analysis Method: SM22 5310B
QC Batch Method: SM22 5310B	Analysis Description: 5310B TOC
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443010

METHOD BLANK: 949925 Matrix: Water

Associated Lab Samples: 70159443010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	01/20/21 19:33	

LABORATORY CONTROL SAMPLE: 949926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.8	98	85-115	

MATRIX SPIKE SAMPLE: 949928

Parameter	Units	70159811002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L		4.1	10	13.9	98	75-125

SAMPLE DUPLICATE: 949927

Parameter	Units	70159811001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	6.8	6.7	2	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MIN MILT
Pace Project No.: 70159443

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S0	Surrogate recovery outside laboratory control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN MILT
Pace Project No.: 70159443

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70159443001	SYS-EFF	EPA 200.7	193150	EPA 200.7	193153
70159443002	SYS-INF	EPA 200.7	193150	EPA 200.7	193153
70159443003	MAG	EPA 200.7	193341	EPA 200.7	193343
70159443004	UG	EPA 200.7	193341	EPA 200.7	193343
70159443001	SYS-EFF	EPA 8260C/5030C	193407		
70159443002	SYS-INF	EPA 8260C/5030C	193127		
70159443003	MAG	EPA 8260C/5030C	193127		
70159443004	UG	EPA 8260C/5030C	193127		
70159443005	MW-8	EPA 8260C/5030C	193127		
70159443006	MW-9	EPA 8260C/5030C	193407		
70159443007	ML-1A	EPA 8260C/5030C	193127		
70159443008	ML-1B	EPA 8260C/5030C	193407		
70159443009	ML-1F	EPA 8260C/5030C	193407		
70159443010	ML-1G	EPA 8260C/5030C	193212		
70159443001	SYS-EFF	SM22 4500-H+B	193159		
70159443002	SYS-INF	SM22 4500-H+B	193159		
70159443003	MAG	SM22 4500-H+B	193159		
70159443004	UG	SM22 4500-H+B	193159		
70159443001	SYS-EFF	SM22 5310B	193123		
70159443002	SYS-INF	SM22 5310B	193123		
70159443003	MAG	SM22 5310B	193123		
70159443004	UG	SM22 5310B	193123		
70159443005	MW-8	SM22 5310B	193123		
70159443006	MW-9	SM22 5310B	193123		
70159443007	ML-1A	SM22 5310B	193123		
70159443008	ML-1B	SM22 5310B	193123		
70159443009	ML-1F	SM22 5310B	193123		
70159443010	ML-1G	SM22 5310B	193653		

REPORT OF LABORATORY ANALYSIS

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WO#: 70159443



70159443

CHAIN-OF-CUSTODY / Analytical Request:
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: P W Grosser Engineer & Hydrogeologist	Report To: Kaitlyn Crosby	Company Name: <i>Same as Client</i>	Attention: <i>Same as Client</i>	Company Name:	Address:
Address: 630 Johnson Avenue Bohemia, NY 11716	Copy To:	Purchase Order #:	Project Name: MINIMIL MONTHLY	Pace Quote:	State / Location: NY
Email: krosby@pwgrosser.com	Phone: (631) 589-6353	Requested Due Date: <i>Standard</i>	Project #: <i>M3M1001</i>	Pace Project Manager: belly.harrison@pacelabs.com	Regulatory Agency:
				Pace Profile #: 5392	

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	PRESERVATIVES							ANALYSES TEST	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			START	END				H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				
1	SYS-EFF	WT	1-14-21	1100	6	WT	6	X	X	X					X	X	X	
2	SYS-INF	WT	1-14-21	1110	4	WT	4	X	X	X					X	X	X	
3	MAG	WT	1-14-21	1130	4	WT	4	X	X	X					X	X	X	
4	UG	WT	1-14-21	1120	4	WT	4	X	X	X					X	X	X	
5	MW-8	WT	1-14-21	0730	4	WT	4	X	X	X					X	X	X	
6	MW-9	WT	1-14-21	0900	4	WT	4	X	X	X					X	X	X	
7	MW-10	WT	1-14-21	1000	4	WT	4	X	X	X					X	X	X	
8	ML-1A	WT	1-14-21	1010	4	WT	4	X	X	X					X	X	X	
9	ML-1B	WT	1-14-21	1020	4	WT	4	X	X	X					X	X	X	
10	ML-1F	WT	1-14-21	1020	4	WT	4	X	X	X					X	X	X	
11	ML-1G	WT	1-14-21	1030	4	WT	4	X	X	X					X	X	X	
12																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on	Custody	Sealed	Cooler	Samples
	<i>John Pwoc</i>	1-14-21	1205	<i>Kaitlyn Crosby</i>	1/14/21	12:07	10.8	W	N	N	N	N
SAMPLER NAME AND SIGNATURE												
PRINT Name of SAMPLER: <i>Kaitlyn Crosby</i>												
SIGNATURE of SAMPLER: <i>[Signature]</i>												
DATE Signed: <i>01/14/2021</i>												

WO#: 70159443

Pace Analytical

Client Name:

P W Grosser

Project

PM: EMH

Due Date: 01/28/21

CLIENT: PWG

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: -0.2

Cooler Temperature(°C): 10.8 Cooler Temperature Corrected(°C): 10.6

Temp should be above freezing to 6.0°C

USDA Regulated Soil N/A, water sample

Temperature Blank Present: Yes No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer _____

Date and Initials of person examining contents: 8/1/4/21 NL

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No

Did samples originate from a foreign source including Hawaii and Puerto Rico? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: SL <input checked="" type="checkbox"/> WT <input type="checkbox"/> OIL		
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # HC904495		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Lead Acetate Strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

March 15, 2021

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN1001/MINMILT 3/2
Pace Project No.: 70164199

Dear Kaitlyn Crosby:

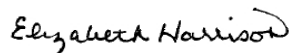
Enclosed are the analytical results for sample(s) received by the laboratory on March 02, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Pace Analytical Services Long Island

Delaware Certification # NY10478

Virginia Certification # 460302

Delaware Certification # NY10478

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Sample: SYS-EFF(FEB)	Lab ID: 70164199001	Collected: 03/02/21 09:50	Received: 03/02/21 10:42	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	8860	ug/L	100	1	03/03/21 11:32	03/04/21 12:19	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/10/21 14:38	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/10/21 14:38	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/10/21 14:38	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/10/21 14:38	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/10/21 14:38	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/10/21 14:38	107-06-2	
1,2-Dichloroethene (Total)	6.5	ug/L	2.0	1		03/10/21 14:38	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/10/21 14:38	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/10/21 14:38	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/10/21 14:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/10/21 14:38	108-10-1	
Acetone	<5.0	ug/L	5.0	1		03/10/21 14:38	67-64-1	IC,v1
Benzene	<0.70	ug/L	0.70	1		03/10/21 14:38	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/10/21 14:38	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/10/21 14:38	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/10/21 14:38	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		03/10/21 14:38	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/10/21 14:38	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/10/21 14:38	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/10/21 14:38	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/10/21 14:38	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/10/21 14:38	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/10/21 14:38	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/10/21 14:38	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/10/21 14:38	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/10/21 14:38	100-42-5	
Tetrachloroethene	15.0	ug/L	1.0	1		03/10/21 14:38	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/10/21 14:38	108-88-3	
Trichloroethene	1.5	ug/L	1.0	1		03/10/21 14:38	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		03/10/21 14:38	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		03/10/21 14:38	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/10/21 14:38	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/10/21 14:38	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	70-123	1		03/10/21 14:38	17060-07-0	
4-Bromofluorobenzene (S)	95	%	66-119	1		03/10/21 14:38	460-00-4	
Toluene-d8 (S)	94	%	82-121	1		03/10/21 14:38	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.8	Std. Units	0.10	1		03/02/21 15:13		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Sample: SYS-EFF(FEB)		Lab ID: 70164199001		Collected: 03/02/21 09:50	Received: 03/02/21 10:42	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
Temperature, Water (C)	20.4	deg C	0.10	1		03/02/21 15:13		H3,H6
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	3.1	mg/L	1.0	1		03/04/21 14:39	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Sample: SYS-INF(FEB)	Lab ID: 70164199002	Collected: 03/02/21 10:00	Received: 03/02/21 10:42	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	10600	ug/L	100	1	03/03/21 11:32	03/04/21 12:21	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:09	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/10/21 15:09	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:09	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:09	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/10/21 15:09	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:09	107-06-2	
1,2-Dichloroethene (Total)	536	ug/L	40.0	20		03/10/21 16:07	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/10/21 15:09	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/10/21 15:09	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/10/21 15:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/10/21 15:09	108-10-1	
Acetone	<5.0	ug/L	5.0	1		03/10/21 15:09	67-64-1	IC,v1
Benzene	<0.70	ug/L	0.70	1		03/10/21 15:09	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/10/21 15:09	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/10/21 15:09	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/10/21 15:09	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		03/10/21 15:09	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/10/21 15:09	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/10/21 15:09	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/10/21 15:09	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/10/21 15:09	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/10/21 15:09	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/10/21 15:09	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/10/21 15:09	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/10/21 15:09	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/10/21 15:09	100-42-5	
Tetrachloroethene	1360	ug/L	20.0	20		03/10/21 16:07	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/10/21 15:09	108-88-3	
Trichloroethene	369	ug/L	20.0	20		03/10/21 16:07	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		03/10/21 15:09	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		03/10/21 15:09	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/10/21 15:09	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/10/21 15:09	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	70-123	1		03/10/21 15:09	17060-07-0	
4-Bromofluorobenzene (S)	96	%	66-119	1		03/10/21 15:09	460-00-4	
Toluene-d8 (S)	91	%	82-121	1		03/10/21 15:09	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.0	Std. Units	0.10	1		03/02/21 15:16		H3,H6, N3

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Sample: SYS-INF(FEB)		Lab ID: 70164199002		Collected: 03/02/21 10:00	Received: 03/02/21 10:42	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
Temperature, Water (C)	20.8	deg C	0.10	1		03/02/21 15:16		H3,H6
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	3.2	mg/L	1.0	1		03/04/21 15:15	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Sample: MAG(FEB)		Lab ID: 70164199003	Collected: 03/02/21 10:10	Received: 03/02/21 10:42	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	6310	ug/L	100	1	03/03/21 11:32	03/04/21 12:24	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:29	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/10/21 15:29	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:29	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:29	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/10/21 15:29	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:29	107-06-2	
1,2-Dichloroethene (Total)	338	ug/L	40.0	20		03/10/21 19:01	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/10/21 15:29	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/10/21 15:29	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/10/21 15:29	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/10/21 15:29	108-10-1	
Acetone	22.8	ug/L	5.0	1		03/10/21 15:29	67-64-1	IC,v1
Benzene	<0.70	ug/L	0.70	1		03/10/21 15:29	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/10/21 15:29	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/10/21 15:29	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/10/21 15:29	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		03/10/21 15:29	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/10/21 15:29	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/10/21 15:29	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/10/21 15:29	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/10/21 15:29	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/10/21 15:29	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/10/21 15:29	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/10/21 15:29	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/10/21 15:29	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/10/21 15:29	100-42-5	
Tetrachloroethene	1470	ug/L	20.0	20		03/10/21 19:01	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/10/21 15:29	108-88-3	
Trichloroethene	134	ug/L	1.0	1		03/10/21 15:29	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		03/10/21 15:29	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		03/10/21 15:29	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/10/21 15:29	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/10/21 15:29	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	70-123	1		03/10/21 15:29	17060-07-0	
4-Bromofluorobenzene (S)	95	%	66-119	1		03/10/21 15:29	460-00-4	
Toluene-d8 (S)	94	%	82-121	1		03/10/21 15:29	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	6.0	Std. Units	0.10	1		03/02/21 15:17		H3,H6, N3

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Sample: MAG(FEB)		Lab ID: 70164199003		Collected: 03/02/21 10:10	Received: 03/02/21 10:42	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
Temperature, Water (C)	21.1	deg C	0.10	1		03/02/21 15:17		H3,H6
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	3.1	mg/L	1.0	1		03/04/21 15:26	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/2
Pace Project No.: 70164199

Sample: UG(FEB)	Lab ID: 70164199004	Collected: 03/02/21 10:20	Received: 03/02/21 10:42	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	15600	ug/L	100	1	03/03/21 11:32	03/04/21 12:40	7439-89-6	M1
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:48	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/10/21 15:48	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:48	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:48	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	1		03/10/21 15:48	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/10/21 15:48	107-06-2	
1,2-Dichloroethene (Total)	768	ug/L	40.0	20		03/10/21 19:21	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/10/21 15:48	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/10/21 15:48	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/10/21 15:48	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/10/21 15:48	108-10-1	
Acetone	22.2	ug/L	5.0	1		03/10/21 15:48	67-64-1	IC,v1
Benzene	<0.70	ug/L	0.70	1		03/10/21 15:48	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/10/21 15:48	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/10/21 15:48	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/10/21 15:48	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		03/10/21 15:48	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/10/21 15:48	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/10/21 15:48	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/10/21 15:48	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/10/21 15:48	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/10/21 15:48	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/10/21 15:48	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/10/21 15:48	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/10/21 15:48	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/10/21 15:48	100-42-5	
Tetrachloroethene	1880	ug/L	20.0	20		03/10/21 19:21	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/10/21 15:48	108-88-3	
Trichloroethene	685	ug/L	20.0	20		03/10/21 19:21	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		03/10/21 15:48	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		03/10/21 15:48	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/10/21 15:48	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/10/21 15:48	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	70-123	1		03/10/21 15:48	17060-07-0	
4-Bromofluorobenzene (S)	96	%	66-119	1		03/10/21 15:48	460-00-4	
Toluene-d8 (S)	95	%	82-121	1		03/10/21 15:48	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.0	Std. Units	0.10	1		03/02/21 15:20		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Sample: UG(FEB)		Lab ID: 70164199004		Collected: 03/02/21 10:20	Received: 03/02/21 10:42	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
Temperature, Water (C)	21.3	deg C	0.10	1		03/02/21 15:20		H3,H6
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	3.9	mg/L	1.0	1		03/04/21 15:37	7440-44-0	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 3/2
Pace Project No.: 70164199

QC Batch: 198694 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70164199001, 70164199002, 70164199003, 70164199004

METHOD BLANK: 976379 Matrix: Water
Associated Lab Samples: 70164199001, 70164199002, 70164199003, 70164199004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	03/04/21 11:30	

LABORATORY CONTROL SAMPLE: 976380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	1990	99	85-115	

MATRIX SPIKE SAMPLE: 976382

Parameter	Units	70164199003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	6310	2000	8400	105	70-130	

MATRIX SPIKE SAMPLE: 976384

Parameter	Units	70164199004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	15600	2000	17000	67	70-130 M1	

SAMPLE DUPLICATE: 976381

Parameter	Units	70164199003 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	6310	6510	3	

SAMPLE DUPLICATE: 976383

Parameter	Units	70164199004 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	15600	15900	2	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 3/2
Pace Project No.: 70164199

QC Batch: 199617 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70164199001, 70164199002, 70164199003, 70164199004

METHOD BLANK: 981848 Matrix: Water
Associated Lab Samples: 70164199001, 70164199002, 70164199003, 70164199004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/10/21 10:56	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/10/21 10:56	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/10/21 10:56	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/10/21 10:56	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/10/21 10:56	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/10/21 10:56	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	03/10/21 10:56	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/10/21 10:56	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/10/21 10:56	IL,v3
2-Hexanone	ug/L	<5.0	5.0	03/10/21 10:56	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/10/21 10:56	
Acetone	ug/L	<5.0	5.0	03/10/21 10:56	IC
Benzene	ug/L	<0.70	0.70	03/10/21 10:56	
Bromodichloromethane	ug/L	<1.0	1.0	03/10/21 10:56	
Bromoform	ug/L	<1.0	1.0	03/10/21 10:56	
Bromomethane	ug/L	<1.0	1.0	03/10/21 10:56	
Carbon disulfide	ug/L	<1.0	1.0	03/10/21 10:56	
Carbon tetrachloride	ug/L	<1.0	1.0	03/10/21 10:56	
Chlorobenzene	ug/L	<1.0	1.0	03/10/21 10:56	
Chloroethane	ug/L	<1.0	1.0	03/10/21 10:56	
Chloroform	ug/L	<1.0	1.0	03/10/21 10:56	
Chloromethane	ug/L	<1.0	1.0	03/10/21 10:56	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/10/21 10:56	
Dibromochloromethane	ug/L	<1.0	1.0	03/10/21 10:56	
Ethylbenzene	ug/L	<1.0	1.0	03/10/21 10:56	
Methylene Chloride	ug/L	<1.0	1.0	03/10/21 10:56	
Styrene	ug/L	<1.0	1.0	03/10/21 10:56	
Tetrachloroethene	ug/L	<1.0	1.0	03/10/21 10:56	
Toluene	ug/L	<1.0	1.0	03/10/21 10:56	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/10/21 10:56	
Trichloroethene	ug/L	<1.0	1.0	03/10/21 10:56	
Vinyl chloride	ug/L	<1.0	1.0	03/10/21 10:56	
Xylene (Total)	ug/L	<3.0	3.0	03/10/21 10:56	
1,2-Dichloroethane-d4 (S)	%	98	70-123	03/10/21 10:56	
4-Bromofluorobenzene (S)	%	97	66-119	03/10/21 10:56	
Toluene-d8 (S)	%	96	82-121	03/10/21 10:56	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

LABORATORY CONTROL SAMPLE: 981849

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	41.4	83	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	51.9	104	75-122	
1,1,2-Trichloroethane	ug/L	50	51.1	102	80-122	
1,1-Dichloroethane	ug/L	50	48.4	97	68-127	
1,1-Dichloroethene	ug/L	50	37.7	75	65-123	
1,2-Dichloroethane	ug/L	50	46.8	94	73-128	
1,2-Dichloroethene (Total)	ug/L	100	90.0	90	72-124	
1,2-Dichloropropane	ug/L	50	53.3	107	79-117	
2-Butanone (MEK)	ug/L	50	32.7	65	28-169 IL,v3	
2-Hexanone	ug/L	50	54.3	109	59-138	
4-Methyl-2-pentanone (MIBK)	ug/L	50	59.7	119	70-129 v1	
Acetone	ug/L	50	61.7	123	10-225 IC,v1	
Benzene	ug/L	50	49.9	100	73-121	
Bromodichloromethane	ug/L	50	48.8	98	74-127	
Bromoform	ug/L	50	57.8	116	55-128	
Bromomethane	ug/L	50	75.7	151	12-176 IH,v1	
Carbon disulfide	ug/L	50	40.0	80	57-129	
Carbon tetrachloride	ug/L	50	47.7	95	64-122	
Chlorobenzene	ug/L	50	48.1	96	76-117	
Chloroethane	ug/L	50	41.2	82	60-129	
Chloroform	ug/L	50	46.1	92	74-129	
Chloromethane	ug/L	50	42.8	86	43-126	
cis-1,3-Dichloropropene	ug/L	50	46.4	93	65-134	
Dibromochloromethane	ug/L	50	51.1	102	71-130	
Ethylbenzene	ug/L	50	46.8	94	70-120	
Methylene Chloride	ug/L	50	45.9	92	69-126	
Styrene	ug/L	50	48.1	96	80-121	
Tetrachloroethene	ug/L	50	48.7	97	65-120	
Toluene	ug/L	50	49.5	99	77-120	
trans-1,3-Dichloropropene	ug/L	50	42.4	85	54-139	
Trichloroethene	ug/L	50	46.9	94	73-116	
Vinyl chloride	ug/L	50	48.8	98	50-130 IH	
Xylene (Total)	ug/L	150	141	94	73-120	
1,2-Dichloroethane-d4 (S)	%			96	70-123	
4-Bromofluorobenzene (S)	%			95	66-119	
Toluene-d8 (S)	%			95	82-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 982105 982106

Parameter	Units	70164195002		MSD		MSD		% Rec		RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec	Limits		
1,1,1-Trichloroethane	ug/L	<1.0	50	50	43.3	46.2	87	92	60-127	7	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	48.0	51.3	96	103	74-118	7	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	48.9	53.9	98	108	80-120	10	
1,1-Dichloroethane	ug/L	6.1	50	50	54.8	59.6	97	107	69-131	8	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Parameter	70164195002		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
1,1-Dichloroethene	ug/L	1.4	50	50	39.9	43.4	77	84	70-129	8				
1,2-Dichloroethane	ug/L	<1.0	50	50	45.5	49.3	91	99	70-129	8				
1,2-Dichloroethene (Total)	ug/L	<2.0	100	100	92.2	103	92	103	67-132	11				
1,2-Dichloropropane	ug/L	<1.0	50	50	51.9	56.1	104	112	77-118	8				
2-Butanone (MEK)	ug/L	<5.0	50	50	32.5	36.3	65	73	15-159	11	IL,v3			
2-Hexanone	ug/L	<5.0	50	50	53.6	58.1	107	116	60-127	8				
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	57.9	65.2	116	130	66-129	12	M1,v1			
Acetone	ug/L	<5.0	50	50	69.3	66.3	132	126	10-189	4	IC,v1			
Benzene	ug/L	<1.0	50	50	50.7	54.5	101	109	74-126	7				
Bromodichloromethane	ug/L	<1.0	50	50	47.9	51.5	96	103	71-125	7				
Bromoform	ug/L	<1.0	50	50	53.2	59.2	106	118	40-128	11				
Bromomethane	ug/L	<1.0	50	50	69.2	73.7	138	147	10-179	6	IH,v1			
Carbon disulfide	ug/L	<1.0	50	50	40.5	44.4	81	89	60-131	9				
Carbon tetrachloride	ug/L	<1.0	50	50	43.7	52.3	87	105	64-125	18				
Chlorobenzene	ug/L	<1.0	50	50	47.0	50.1	94	100	72-121	6				
Chloroethane	ug/L	3.8	50	50	45.5	49.6	83	92	54-137	9				
Chloroform	ug/L	<1.0	50	50	46.1	50.7	92	101	73-128	9				
Chloromethane	ug/L	<1.0	50	50	37.6	41.6	75	83	45-123	10				
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	44.8	48.7	90	97	57-130	8				
Dibromochloromethane	ug/L	<1.0	50	50	48.2	52.5	96	105	59-132	9				
Ethylbenzene	ug/L	<1.0	50	50	46.0	48.7	92	97	67-126	6				
Methylene Chloride	ug/L	<1.0	50	50	45.5	50.4	91	101	65-129	10				
Styrene	ug/L	<1.0	50	50	46.0	48.5	92	97	74-121	5				
Tetrachloroethene	ug/L	<1.0	50	50	48.2	50.3	96	101	59-131	4				
Toluene	ug/L	<1.0	50	50	50.1	52.6	100	105	76-124	5				
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	40.3	44.4	81	89	42-140	10				
Trichloroethene	ug/L	<1.0	50	50	49.0	50.6	98	101	78-119	3				
Vinyl chloride	ug/L	1.3	50	50	47.7	52.4	93	102	45-141	9	IH			
Xylene (Total)	ug/L	<3.0	150	150	137	144	91	96	69-125	5				
1,2-Dichloroethane-d4 (S)	%						97	95	70-123					
4-Bromofluorobenzene (S)	%						96	95	66-119					
Toluene-d8 (S)	%						95	95	82-121					

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

QC Batch: 198546

Analysis Method: SM22 4500-H+B

QC Batch Method: SM22 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70164199001, 70164199002, 70164199003, 70164199004

SAMPLE DUPLICATE: 975453

Parameter	Units	70163970001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	6.2	6.2		0 H3,H6,N3
Temperature, Water (C)	deg C	19.9	19.3		3 H3,H6

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

QC Batch:	198601	Analysis Method:	SM22 5310B
QC Batch Method:	SM22 5310B	Analysis Description:	5310B TOC
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70164199001, 70164199002, 70164199003, 70164199004

METHOD BLANK: 976123 Matrix: Water
Associated Lab Samples: 70164199001, 70164199002, 70164199003, 70164199004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	03/04/21 12:36	

LABORATORY CONTROL SAMPLE: 976124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.5	95	85-115	

MATRIX SPIKE SAMPLE: 976126

Parameter	Units	70163819008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	<340 ppb	10	10.9	107	75-125	

SAMPLE DUPLICATE: 976125

Parameter	Units	70163819007 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	353J ppb	<1.0		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 982105

[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

Sample: 982106

[1] 2-Chloroethylvinyl ether not reportable due to improper sample preservation.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

IL This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

√1 The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

√3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN1001/MINMILT 3/2

Pace Project No.: 70164199

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70164199001	SYS-EFF(FEB)	EPA 200.7	198694	EPA 200.7	198698
70164199002	SYS-INF(FEB)	EPA 200.7	198694	EPA 200.7	198698
70164199003	MAG(FEB)	EPA 200.7	198694	EPA 200.7	198698
70164199004	UG(FEB)	EPA 200.7	198694	EPA 200.7	198698
70164199001	SYS-EFF(FEB)	EPA 8260C/5030C	199617		
70164199002	SYS-INF(FEB)	EPA 8260C/5030C	199617		
70164199003	MAG(FEB)	EPA 8260C/5030C	199617		
70164199004	UG(FEB)	EPA 8260C/5030C	199617		
70164199001	SYS-EFF(FEB)	SM22 4500-H+B	198546		
70164199002	SYS-INF(FEB)	SM22 4500-H+B	198546		
70164199003	MAG(FEB)	SM22 4500-H+B	198546		
70164199004	UG(FEB)	SM22 4500-H+B	198546		
70164199001	SYS-EFF(FEB)	SM22 5310B	198601		
70164199002	SYS-INF(FEB)	SM22 5310B	198601		
70164199003	MAG(FEB)	SM22 5310B	198601		
70164199004	UG(FEB)	SM22 5310B	198601		

REPORT OF LABORATORY ANALYSIS

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WO#: 70164199



70164199

CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Billing Information: *Same as Client*

Company: **PWGC**
Address: **630 Johnson Ave, Bohemia, NY**
Report To: **Kaitlyn Crosby**
Copy To: _____

Customer Project Name/Number: **MFL100 / M.M.M.I.F**
Phone: **631-589-6553**
Email: **Karoby@pwgrass.com**
Site/Facility ID #: _____
Purchase Order #: _____
Quote #: **Standard**
Turnaround Date Required: _____
Rush: (Expedite Charges Apply)
[] Same Day [] Next Day
[] 2 Day [] 3 Day
[] 4 Day [] 5 Day

State: **NY** County/City: **Farmingdale** Time Zone Collected: **JMT** [] CT [] ET
Compliance Monitoring?
[] Yes [] No
DW PWS ID #: _____
DW Location Code: _____
Immediately Packed on Ice:
[] Yes [] No
Field Filtered (if applicable):
[] Yes [] No
Analysis: _____

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)
Customer Sample ID: **SYS-EFF(FEB)**
SYS-IAF(FEB)
MAG(FEB)
UG(FEB)
Matrix #: **GW**
Collected (or Composite Start) Date: _____
Composite End Date: **3-2-21**
Time: **0950**
Time: **1000**
Time: **1610**
Time: **1620**
Res Cl: **6**
of Ctns: **1**
Type of Ice Used: **Wet** (Blue) Dry None
Packing Material Used: **DS**
Radchem sample(s) screened (<500 cpm): Y N NA

Customer Remarks / Special Conditions / Possible Hazards: _____
Relinquished by/Company (Signature): **[Signature]**
Date/Time: **3-2-21 1042**
Relinquished by/Company (Signature): _____
Date/Time: _____
Relinquished by/Company (Signature): _____
Date/Time: _____

Workorder Number or
LAB USE ONLY

Container Preservative Type **
3 1 U 2
Lab Project Manager: **EMH**
** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Analyses	Y	N	N/A
VOC	X		
PH	X		
Fe	X		
...			

LAB Sample Receipt Checklist:
Custody Seals Present/Intact: **Y** NA
Custody Signatures Present: **Y** NA
Collector Signature Present: **Y** NA
Bottles Intact: **Y** NA
Correct Bottles: **Y** NA
Sufficient Volume: **Y** NA
Samples Received on Ice: **Y** NA
VOA - Headspace Acceptable: **Y** NA
USDA Regulated Soils: **Y** NA
Samples in Holding Time: **Y** NA
Residual Chlorine Present: **Y** NA
Cl Strips: **Y** NA
Sample pH Acceptable: **Y** NA
pH Strips: **ACOL5454**
Sulfide Present: **Y** NA
Lead Acetate Strips: **Y** NA
LAB USE ONLY:
Lab Sample # / Comments: _____
LAB Sample Temperature Info:
Temp Blank Rechecked: **Y** NA
Therm ID#: **[Signature]**
Cooler 1 Temp Upon Receipt: **2.1** CoC
Cooler 1 Therm Corr. Factor: **-2.0**
Cooler 1 Corrected Temp: **11.9** CoC
Comments: _____
Trip Blank Received: **Y** NA
HCL MeOH TSP Other
Non Conformance(s): **YES / NO**
Page: _____ of: _____

August 03, 2020

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT MONTHLY 7/20
Pace Project No.: 70138794

Dear Kaitlyn Crosby:

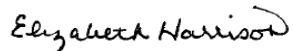
Enclosed are the analytical results for sample(s) received by the laboratory on July 20, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Kaitlyn Crosby, P.W. Grosser Engineer & Hydrogeologist



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT MONTHLY 7/20

Pace Project No.: 70138794

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 7/20

Pace Project No.: 70138794

Sample: SYS-EFF	Lab ID: 70138794001	Collected: 07/20/20 09:15	Received: 07/20/20 09:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	<100	ug/L	100	1	07/28/20 14:16	08/03/20 15:45	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		07/23/20 15:08	67-64-1	
Benzene	<0.70	ug/L	0.70	1		07/23/20 15:08	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/23/20 15:08	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/23/20 15:08	75-25-2	CL
Bromomethane	<1.0	ug/L	1.0	1		07/23/20 15:08	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/23/20 15:08	78-93-3	
Carbon disulfide	<1.0	ug/L	1.0	1		07/23/20 15:08	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/23/20 15:08	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/23/20 15:08	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/23/20 15:08	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/23/20 15:08	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/23/20 15:08	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/23/20 15:08	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/23/20 15:08	75-34-3	L2
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/23/20 15:08	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		07/23/20 15:08	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/23/20 15:08	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/23/20 15:08	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/23/20 15:08	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/23/20 15:08	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		07/23/20 15:08	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/23/20 15:08	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		07/23/20 15:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/23/20 15:08	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/23/20 15:08	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/23/20 15:08	79-34-5	
Tetrachloroethene	2.7	ug/L	1.0	1		07/23/20 15:08	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/23/20 15:08	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/23/20 15:08	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/23/20 15:08	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		07/23/20 15:08	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		07/23/20 15:08	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/23/20 15:08	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		07/23/20 15:08	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	1		07/23/20 15:08	460-00-4	
Toluene-d8 (S)	95	%	69-124	1		07/23/20 15:08	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	7.6	Std. Units	0.10	1		07/22/20 11:44		H3,H6
Temperature, Water (C)	20.4	deg C	0.10	1		07/22/20 11:44		H3,H6

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 7/20

Pace Project No.: 70138794

Sample: SYS-INF	Lab ID: 70138794002	Collected: 07/20/20 09:25	Received: 07/20/20 09:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	261	ug/L	100	1	07/28/20 14:16	08/03/20 15:59	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		07/23/20 15:28	67-64-1	
Benzene	<0.70	ug/L	0.70	1		07/23/20 15:28	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		07/23/20 15:28	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		07/23/20 15:28	75-25-2	CL
Bromomethane	<1.0	ug/L	1.0	1		07/23/20 15:28	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/23/20 15:28	78-93-3	
Carbon disulfide	<1.0	ug/L	1.0	1		07/23/20 15:28	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/23/20 15:28	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		07/23/20 15:28	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		07/23/20 15:28	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		07/23/20 15:28	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		07/23/20 15:28	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		07/23/20 15:28	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/23/20 15:28	75-34-3	L2
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/23/20 15:28	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		07/23/20 15:28	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/23/20 15:28	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/23/20 15:28	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/23/20 15:28	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/23/20 15:28	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		07/23/20 15:28	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		07/23/20 15:28	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		07/23/20 15:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/23/20 15:28	108-10-1	
Styrene	<1.0	ug/L	1.0	1		07/23/20 15:28	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/23/20 15:28	79-34-5	
Tetrachloroethene	1690	ug/L	20.0	20		07/23/20 16:28	127-18-4	
Toluene	<1.0	ug/L	1.0	1		07/23/20 15:28	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/23/20 15:28	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/23/20 15:28	79-00-5	
Trichloroethene	17.8	ug/L	1.0	1		07/23/20 15:28	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		07/23/20 15:28	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		07/23/20 15:28	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		07/23/20 15:28	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	1		07/23/20 15:28	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		07/23/20 15:28	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.2	Std. Units	0.10	1		07/22/20 11:47		H3,H6
Temperature, Water (C)	21.6	deg C	0.10	1		07/22/20 11:47		H3,H6

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 7/20
Pace Project No.: 70138794

QC Batch: 170848 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70138794001, 70138794002

METHOD BLANK: 825881 Matrix: Water
Associated Lab Samples: 70138794001, 70138794002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	08/03/20 15:29	

LABORATORY CONTROL SAMPLE: 825882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2010	101	85-115	

MATRIX SPIKE SAMPLE: 825884

Parameter	Units	70138750003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	116	200	327	106	70-130	

MATRIX SPIKE SAMPLE: 825886

Parameter	Units	70138794001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	200	292	109	70-130	

SAMPLE DUPLICATE: 825883

Parameter	Units	70138750003 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	116	112	4	

SAMPLE DUPLICATE: 825885

Parameter	Units	70138794001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 7/20
Pace Project No.: 70138794

QC Batch: 170200 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70138794001, 70138794002

METHOD BLANK: 822667 Matrix: Water
Associated Lab Samples: 70138794001, 70138794002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	07/23/20 08:38	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	07/23/20 08:38	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	07/23/20 08:38	
1,1-Dichloroethane	ug/L	<1.0	1.0	07/23/20 08:38	
1,1-Dichloroethene	ug/L	<1.0	1.0	07/23/20 08:38	
1,2-Dichloroethane	ug/L	<1.0	1.0	07/23/20 08:38	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	07/23/20 08:38	
1,2-Dichloropropane	ug/L	<1.0	1.0	07/23/20 08:38	
2-Butanone (MEK)	ug/L	<5.0	5.0	07/23/20 08:38	
2-Hexanone	ug/L	<5.0	5.0	07/23/20 08:38	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	07/23/20 08:38	
Acetone	ug/L	<5.0	5.0	07/23/20 08:38	
Benzene	ug/L	<0.70	0.70	07/23/20 08:38	
Bromodichloromethane	ug/L	<1.0	1.0	07/23/20 08:38	
Bromoform	ug/L	<1.0	1.0	07/23/20 08:38	CL
Bromomethane	ug/L	<1.0	1.0	07/23/20 08:38	CL
Carbon disulfide	ug/L	<1.0	1.0	07/23/20 08:38	
Carbon tetrachloride	ug/L	<1.0	1.0	07/23/20 08:38	
Chlorobenzene	ug/L	<1.0	1.0	07/23/20 08:38	
Chloroethane	ug/L	<1.0	1.0	07/23/20 08:38	
Chloroform	ug/L	<1.0	1.0	07/23/20 08:38	
Chloromethane	ug/L	<1.0	1.0	07/23/20 08:38	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	07/23/20 08:38	
Dibromochloromethane	ug/L	<1.0	1.0	07/23/20 08:38	
Ethylbenzene	ug/L	<1.0	1.0	07/23/20 08:38	
Methylene Chloride	ug/L	<1.0	1.0	07/23/20 08:38	
Styrene	ug/L	<1.0	1.0	07/23/20 08:38	
Tetrachloroethene	ug/L	<1.0	1.0	07/23/20 08:38	
Toluene	ug/L	<1.0	1.0	07/23/20 08:38	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	07/23/20 08:38	
Trichloroethene	ug/L	<1.0	1.0	07/23/20 08:38	
Vinyl chloride	ug/L	<1.0	1.0	07/23/20 08:38	
Xylene (Total)	ug/L	<3.0	3.0	07/23/20 08:38	
1,2-Dichloroethane-d4 (S)	%	99	68-153	07/23/20 08:38	
4-Bromofluorobenzene (S)	%	93	79-124	07/23/20 08:38	
Toluene-d8 (S)	%	93	69-124	07/23/20 08:38	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 7/20
Pace Project No.: 70138794

LABORATORY CONTROL SAMPLE: 822668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.6	89	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	44.9	90	74-121	
1,1,2-Trichloroethane	ug/L	50	51.3	103	80-117	
1,1-Dichloroethane	ug/L	50	40.8	82	83-151	L2
1,1-Dichloroethene	ug/L	50	40.3	81	45-146	
1,2-Dichloroethane	ug/L	50	41.3	83	74-129	
1,2-Dichloroethene (Total)	ug/L	100	84.4	84	60-140	
1,2-Dichloropropane	ug/L	50	46.9	94	75-117	
2-Butanone (MEK)	ug/L	50	63.1	126	44-162	CH
2-Hexanone	ug/L	50	38.4	77	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	52.3	105	69-132	
Acetone	ug/L	50	28.5	57	23-188	
Benzene	ug/L	50	43.7	87	73-119	
Bromodichloromethane	ug/L	50	44.1	88	78-117	
Bromoform	ug/L	50	33.8	68	65-122	CL
Bromomethane	ug/L	50	33.3	67	52-147	CL
Carbon disulfide	ug/L	50	40.2	80	41-144	
Carbon tetrachloride	ug/L	50	40.6	81	59-120	
Chlorobenzene	ug/L	50	46.2	92	75-113	
Chloroethane	ug/L	50	41.0	82	49-151	
Chloroform	ug/L	50	40.7	81	72-122	
Chloromethane	ug/L	50	40.1	80	46-144	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	78-116	
Dibromochloromethane	ug/L	50	39.5	79	70-120	
Ethylbenzene	ug/L	50	49.2	98	70-113	
Methylene Chloride	ug/L	50	41.3	83	61-142	
Styrene	ug/L	50	49.1	98	72-118	
Tetrachloroethene	ug/L	50	46.7	93	60-128	
Toluene	ug/L	50	52.9	106	72-119	
trans-1,3-Dichloropropene	ug/L	50	51.2	102	79-116	
Trichloroethene	ug/L	50	46.1	92	69-117	
Vinyl chloride	ug/L	50	41.1	82	43-143	
Xylene (Total)	ug/L	150	148	99	71-109	
1,2-Dichloroethane-d4 (S)	%			96	68-153	
4-Bromofluorobenzene (S)	%			95	79-124	
Toluene-d8 (S)	%			100	69-124	

MATRIX SPIKE SAMPLE: 823589

Parameter	Units	70138427001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	48.4	97	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	43.5	87	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	49.6	99	80-117	
1,1-Dichloroethane	ug/L	1.3	50	45.2	88	83-151	
1,1-Dichloroethene	ug/L	16.9	50	60.4	87	45-146	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 7/20

Pace Project No.: 70138794

MATRIX SPIKE SAMPLE: 823589		70138427001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	44.0	88	74-129	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	90.5	90	60-140	
1,2-Dichloropropane	ug/L	<1.0	50	50.4	101	75-117	
2-Butanone (MEK)	ug/L	<5.0	50	65.5	131	44-162	CH
2-Hexanone	ug/L	<5.0	50	41.3	83	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	49.2	98	69-132	
Acetone	ug/L	<5.0	50	29.3	59	23-188	
Benzene	ug/L	<1.0	50	46.3	93	73-119	
Bromodichloromethane	ug/L	<1.0	50	45.6	91	78-117	
Bromoform	ug/L	<1.0	50	37.6	75	65-122	CL
Bromomethane	ug/L	<1.0	50	34.2	68	52-147	CL
Carbon disulfide	ug/L	<1.0	50	41.8	84	41-144	
Carbon tetrachloride	ug/L	<1.0	50	43.3	87	59-120	
Chlorobenzene	ug/L	<1.0	50	51.6	103	75-113	
Chloroethane	ug/L	<1.0	50	43.5	87	49-151	
Chloroform	ug/L	<1.0	50	43.8	88	72-122	
Chloromethane	ug/L	<1.0	50	40.0	80	46-144	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50.1	100	78-116	
Dibromochloromethane	ug/L	<1.0	50	43.0	86	70-120	
Ethylbenzene	ug/L	<1.0	50	54.1	108	70-113	
Methylene Chloride	ug/L	<1.0	50	45.0	90	61-142	
Styrene	ug/L	<1.0	50	54.3	109	72-118	
Tetrachloroethene	ug/L	<1.0	50	53.7	107	60-128	
Toluene	ug/L	<1.0	50	51.8	104	72-119	
trans-1,3-Dichloropropene	ug/L	<1.0	50	49.6	99	79-116	
Trichloroethene	ug/L	5.7	50	54.9	98	69-117	
Vinyl chloride	ug/L	<1.0	50	41.9	84	43-143	
Xylene (Total)	ug/L	<3.0	150	165	110	71-109	
1,2-Dichloroethane-d4 (S)	%				95	68-153	
4-Bromofluorobenzene (S)	%				94	79-124	
Toluene-d8 (S)	%				102	69-124	

SAMPLE DUPLICATE: 823590

Parameter	Units	70138794001	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	<2.0	<2.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Hexanone	ug/L	<5.0	<5.0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 7/20

Pace Project No.: 70138794

SAMPLE DUPLICATE: 823590

Parameter	Units	70138794001 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		CL
Bromomethane	ug/L	<1.0	<1.0		CL
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	2.7	2.3	17	
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	99	98		
4-Bromofluorobenzene (S)	%	95	95		
Toluene-d8 (S)	%	95	101		

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 7/20

Pace Project No.: 70138794

QC Batch:	170056	Analysis Method:	SM22 4500-H+B
QC Batch Method:	SM22 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70138794001, 70138794002

SAMPLE DUPLICATE: 821865

Parameter	Units	70138303003 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.8	7.8		1 H3,H6
Temperature, Water (C)	deg C	16.2	16.5		2 H3,H6

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MINMILT MONTHLY 7/20

Pace Project No.: 70138794

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

H3 Sample was received or analysis requested beyond the recognized method holding time.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT MONTHLY 7/20

Pace Project No.: 70138794

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70138794001	SYS-EFF	EPA 200.7	170848	EPA 200.7	170853
70138794002	SYS-INF	EPA 200.7	170848	EPA 200.7	170853
70138794001	SYS-EFF	EPA 8260C/5030C	170200		
70138794002	SYS-INF	EPA 8260C/5030C	170200		
70138794001	SYS-EFF	SM22 4500-H+B	170056		
70138794002	SYS-INF	SM22 4500-H+B	170056		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 Of 1

Section A

Required Client Information:

Company: P.W. Grosser Engineer & Hydrogeologist
 Address: 630 Johnson Avenue
 Bohemia, NY 11716

Email: kcrosby@pwgrosser.com
 Phone: (631) 589-6353 Fax: _____

Requested Due Date: *Standard*

Section B

Required Project Information:

Report To: Kaitlyn Crosby
 Copy To: _____

Purchase Order # _____
 Project Name: MINIM'L MONTHLY
 Project # *70138794*

Section C

Invoice Information:

Attention: *Stone as Client*
 Company Name: _____
 Address: _____
 Pace Quote: _____

Pace Project Manager: bely.harrison@pacelabs.com
 Pace Profile #: 5392

Regulatory Agency: _____
 State / Location: NY

Requested Analysis Filtered (Y/N)

COLLECTED	START		END		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Y/N	Analyses Test	Requested Analysis Filtered (Y/N)
	DATE	TIME	DATE	TIME								
					WT G			Unpreserved			200.7 ICP Metals	
					WT G			H2SO4	X		4500H+B pH	
								HNO3	X		8260 Full List	
								HCl	X			
								NaOH				
								Na2SO3				
								Methanol				
								Other				

ADDITIONAL COMMENTS

70138794

7-20-2009 0915

7-20-2009 0915

WT G

WT G

RELINQUISHED BY: [Signature] AFFILIATION: [Signature] DATE: 7-20-2009 0947

ACCEPTED BY: [Signature] AFFILIATION: [Signature] DATE: 7/20/20 09:48

TEMP in C

Received on

Custody

Sealed

Cooler

Samples

Intact

(Y/N)



Sample Condition Upon Receipt

Client Name: P.W. Grosser Engineer

Project

WO#: **70138794**

PM: EMH

Due Date: **08/03/20**

CLIENT: PWG

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091

Correction Factor: +0.4

Temperature Blank Present: Yes No

Type of Ice: Wet Blue None

Cooler Temperature (°C): 3.1

Cooler Temperature Corrected (°C): 3.5

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: IT 7/20/20

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>Heaas032</u>				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

August 31, 2020

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT MONTHLY 8/17
Pace Project No.: 70142169

Dear Kaitlyn Crosby:

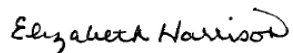
Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Kaitlyn Crosby, P.W. Grosser Engineer & Hydrogeologist



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

Sample: SYS-EFF	Lab ID: 70142169001	Collected: 08/17/20 09:00	Received: 08/17/20 09:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	<100	ug/L	100	1	08/24/20 13:20	08/27/20 22:40	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		08/25/20 19:11	67-64-1	CH
Benzene	<0.70	ug/L	0.70	1		08/25/20 19:11	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		08/25/20 19:11	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		08/25/20 19:11	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		08/25/20 19:11	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/25/20 19:11	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		08/25/20 19:11	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/25/20 19:11	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		08/25/20 19:11	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		08/25/20 19:11	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		08/25/20 19:11	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		08/25/20 19:11	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		08/25/20 19:11	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:11	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:11	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		08/25/20 19:11	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/25/20 19:11	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/25/20 19:11	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/25/20 19:11	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/25/20 19:11	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		08/25/20 19:11	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		08/25/20 19:11	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		08/25/20 19:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/25/20 19:11	108-10-1	
Styrene	<1.0	ug/L	1.0	1		08/25/20 19:11	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/25/20 19:11	79-34-5	
Tetrachloroethene	1.6	ug/L	1.0	1		08/25/20 19:11	127-18-4	
Toluene	<1.0	ug/L	1.0	1		08/25/20 19:11	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:11	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:11	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		08/25/20 19:11	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		08/25/20 19:11	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		08/25/20 19:11	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	68-153	1		08/25/20 19:11	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		08/25/20 19:11	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		08/25/20 19:11	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	7.5	Std. Units	0.10	1		08/19/20 13:42		H3,H6
Temperature, Water (C)	13.7	deg C	0.10	1		08/19/20 13:42		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

Sample: SYS-INF	Lab ID: 70142169002	Collected: 08/17/20 09:10	Received: 08/17/20 09:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	217	ug/L	100	1	08/24/20 13:20	08/27/20 22:45	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		08/25/20 19:31	67-64-1	CH
Benzene	<0.70	ug/L	0.70	1		08/25/20 19:31	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		08/25/20 19:31	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		08/25/20 19:31	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		08/25/20 19:31	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/25/20 19:31	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		08/25/20 19:31	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/25/20 19:31	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		08/25/20 19:31	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		08/25/20 19:31	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		08/25/20 19:31	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		08/25/20 19:31	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		08/25/20 19:31	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:31	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:31	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		08/25/20 19:31	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/25/20 19:31	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/25/20 19:31	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/25/20 19:31	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/25/20 19:31	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		08/25/20 19:31	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		08/25/20 19:31	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		08/25/20 19:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/25/20 19:31	108-10-1	
Styrene	<1.0	ug/L	1.0	1		08/25/20 19:31	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/25/20 19:31	79-34-5	
Tetrachloroethene	1350	ug/L	20.0	20		08/26/20 17:28	127-18-4	
Toluene	<1.0	ug/L	1.0	1		08/25/20 19:31	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:31	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:31	79-00-5	
Trichloroethene	16.3	ug/L	1.0	1		08/25/20 19:31	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		08/25/20 19:31	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		08/25/20 19:31	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	68-153	1		08/25/20 19:31	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-124	1		08/25/20 19:31	460-00-4	
Toluene-d8 (S)	96	%	69-124	1		08/25/20 19:31	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.2	Std. Units	0.10	1		08/19/20 13:46		H3,H6
Temperature, Water (C)	14.7	deg C	0.10	1		08/19/20 13:46		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

Sample: UG	Lab ID: 70142169003	Collected: 08/17/20 09:20	Received: 08/17/20 09:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	4680	ug/L	100	1	08/24/20 13:20	08/27/20 22:50	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		08/25/20 19:51	67-64-1	CH
Benzene	<0.70	ug/L	0.70	1		08/25/20 19:51	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		08/25/20 19:51	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		08/25/20 19:51	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		08/25/20 19:51	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/25/20 19:51	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		08/25/20 19:51	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/25/20 19:51	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		08/25/20 19:51	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		08/25/20 19:51	75-00-3	
Chloroform	1.2	ug/L	1.0	1		08/25/20 19:51	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		08/25/20 19:51	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		08/25/20 19:51	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:51	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:51	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		08/25/20 19:51	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/25/20 19:51	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/25/20 19:51	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/25/20 19:51	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/25/20 19:51	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		08/25/20 19:51	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		08/25/20 19:51	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		08/25/20 19:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/25/20 19:51	108-10-1	
Styrene	<1.0	ug/L	1.0	1		08/25/20 19:51	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/25/20 19:51	79-34-5	
Tetrachloroethene	1870	ug/L	20.0	20		08/26/20 17:48	127-18-4	
Toluene	<1.0	ug/L	1.0	1		08/25/20 19:51	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:51	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/25/20 19:51	79-00-5	
Trichloroethene	32.1	ug/L	1.0	1		08/25/20 19:51	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		08/25/20 19:51	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		08/25/20 19:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	68-153	1		08/25/20 19:51	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		08/25/20 19:51	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		08/25/20 19:51	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	6.3	Std. Units	0.10	1		08/19/20 13:47		H3,H6
Temperature, Water (C)	15.6	deg C	0.10	1		08/19/20 13:47		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

Sample: MAG	Lab ID: 70142169004	Collected: 08/17/20 09:30	Received: 08/17/20 09:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	688	ug/L	100	1	08/24/20 13:20	08/27/20 22:56	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		08/26/20 18:08	67-64-1	CH
Benzene	<0.70	ug/L	0.70	1		08/26/20 18:08	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		08/26/20 18:08	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		08/26/20 18:08	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		08/26/20 18:08	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/26/20 18:08	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		08/26/20 18:08	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/26/20 18:08	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		08/26/20 18:08	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		08/26/20 18:08	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		08/26/20 18:08	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		08/26/20 18:08	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		08/26/20 18:08	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/26/20 18:08	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/26/20 18:08	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		08/26/20 18:08	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/26/20 18:08	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/26/20 18:08	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/26/20 18:08	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/26/20 18:08	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		08/26/20 18:08	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		08/26/20 18:08	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		08/26/20 18:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/26/20 18:08	108-10-1	
Styrene	<1.0	ug/L	1.0	1		08/26/20 18:08	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/26/20 18:08	79-34-5	
Tetrachloroethene	1100	ug/L	20.0	20		08/26/20 18:29	127-18-4	
Toluene	<1.0	ug/L	1.0	1		08/26/20 18:08	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/26/20 18:08	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/26/20 18:08	79-00-5	
Trichloroethene	5.4	ug/L	1.0	1		08/26/20 18:08	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		08/26/20 18:08	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		08/26/20 18:08	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		08/26/20 18:08	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		08/26/20 18:08	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		08/26/20 18:08	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.7	Std. Units	0.10	1		08/19/20 13:49		H3,H6
Temperature, Water (C)	16.3	deg C	0.10	1		08/19/20 13:49		H3,H6

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

QC Batch: 174213	Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7	Analysis Description: 200.7 Metals, Total
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70142169001, 70142169002, 70142169003, 70142169004

METHOD BLANK: 844655 Matrix: Water

Associated Lab Samples: 70142169001, 70142169002, 70142169003, 70142169004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	08/27/20 22:23	

LABORATORY CONTROL SAMPLE: 844656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2040	102	85-115	

MATRIX SPIKE SAMPLE: 844658

Parameter	Units	70142364002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	278	2000	2380	105	70-130	

SAMPLE DUPLICATE: 844657

Parameter	Units	70142364002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	278	284	2	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17
Pace Project No.: 70142169

QC Batch: 174446 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70142169001, 70142169002, 70142169003

METHOD BLANK: 845693 Matrix: Water
Associated Lab Samples: 70142169001, 70142169002, 70142169003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	08/25/20 15:32	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	08/25/20 15:32	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	08/25/20 15:32	
1,1-Dichloroethane	ug/L	<1.0	1.0	08/25/20 15:32	
1,1-Dichloroethene	ug/L	<1.0	1.0	08/25/20 15:32	
1,2-Dichloroethane	ug/L	<1.0	1.0	08/25/20 15:32	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	08/25/20 15:32	
1,2-Dichloropropane	ug/L	<1.0	1.0	08/25/20 15:32	
2-Butanone (MEK)	ug/L	<5.0	5.0	08/25/20 15:32	IL
2-Hexanone	ug/L	<5.0	5.0	08/25/20 15:32	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	08/25/20 15:32	
Acetone	ug/L	<5.0	5.0	08/25/20 15:32	
Benzene	ug/L	<0.70	0.70	08/25/20 15:32	
Bromodichloromethane	ug/L	<1.0	1.0	08/25/20 15:32	
Bromoform	ug/L	<1.0	1.0	08/25/20 15:32	
Bromomethane	ug/L	<1.0	1.0	08/25/20 15:32	
Carbon disulfide	ug/L	<1.0	1.0	08/25/20 15:32	
Carbon tetrachloride	ug/L	<1.0	1.0	08/25/20 15:32	
Chlorobenzene	ug/L	<1.0	1.0	08/25/20 15:32	
Chloroethane	ug/L	<1.0	1.0	08/25/20 15:32	
Chloroform	ug/L	<1.0	1.0	08/25/20 15:32	
Chloromethane	ug/L	<1.0	1.0	08/25/20 15:32	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	08/25/20 15:32	
Dibromochloromethane	ug/L	<1.0	1.0	08/25/20 15:32	
Ethylbenzene	ug/L	<1.0	1.0	08/25/20 15:32	
Methylene Chloride	ug/L	<1.0	1.0	08/25/20 15:32	
Styrene	ug/L	<1.0	1.0	08/25/20 15:32	
Tetrachloroethene	ug/L	<1.0	1.0	08/25/20 15:32	
Toluene	ug/L	<1.0	1.0	08/25/20 15:32	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	08/25/20 15:32	
Trichloroethene	ug/L	<1.0	1.0	08/25/20 15:32	
Vinyl chloride	ug/L	<1.0	1.0	08/25/20 15:32	
Xylene (Total)	ug/L	<3.0	3.0	08/25/20 15:32	
1,2-Dichloroethane-d4 (S)	%	105	68-153	08/25/20 15:32	
4-Bromofluorobenzene (S)	%	99	79-124	08/25/20 15:32	
Toluene-d8 (S)	%	98	69-124	08/25/20 15:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17
Pace Project No.: 70142169

LABORATORY CONTROL SAMPLE: 845694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.0	94	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	51.4	103	74-121	
1,1,2-Trichloroethane	ug/L	50	51.5	103	80-117	
1,1-Dichloroethane	ug/L	50	51.4	103	83-151	
1,1-Dichloroethene	ug/L	50	49.9	100	45-146	
1,2-Dichloroethane	ug/L	50	51.1	102	74-129	
1,2-Dichloroethene (Total)	ug/L	100	101	101	60-140	
1,2-Dichloropropane	ug/L	50	49.7	99	75-117	
2-Butanone (MEK)	ug/L	50	59.1	118	44-162	IL
2-Hexanone	ug/L	50	57.3	115	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	53.3	107	69-132	
Acetone	ug/L	50	72.8	146	23-188	CH
Benzene	ug/L	50	48.2	96	73-119	
Bromodichloromethane	ug/L	50	51.8	104	78-117	
Bromoform	ug/L	50	42.2	84	65-122	
Bromomethane	ug/L	50	41.4	83	52-147	
Carbon disulfide	ug/L	50	50.2	100	41-144	
Carbon tetrachloride	ug/L	50	48.0	96	59-120	
Chlorobenzene	ug/L	50	47.6	95	75-113	
Chloroethane	ug/L	50	47.3	95	49-151	
Chloroform	ug/L	50	52.5	105	72-122	
Chloromethane	ug/L	50	43.1	86	46-144	
cis-1,3-Dichloropropene	ug/L	50	51.5	103	78-116	
Dibromochloromethane	ug/L	50	50.3	101	70-120	
Ethylbenzene	ug/L	50	46.9	94	70-113	
Methylene Chloride	ug/L	50	47.7	95	61-142	
Styrene	ug/L	50	48.4	97	72-118	
Tetrachloroethene	ug/L	50	44.6	89	60-128	
Toluene	ug/L	50	49.4	99	72-119	
trans-1,3-Dichloropropene	ug/L	50	54.4	109	79-116	
Trichloroethene	ug/L	50	48.6	97	69-117	
Vinyl chloride	ug/L	50	45.6	91	43-143	
Xylene (Total)	ug/L	150	142	95	71-109	
1,2-Dichloroethane-d4 (S)	%			102	68-153	
4-Bromofluorobenzene (S)	%			99	79-124	
Toluene-d8 (S)	%			97	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 846857 846858

Parameter	Units	70141486031		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
1,1,1-Trichloroethane	ug/L	<1.0	50	50	45.0	47.5	90	95	65-118	6		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	48.6	49.3	97	99	74-121	1		
1,1,2-Trichloroethane	ug/L	<1.0	50	50	48.8	49.9	98	100	80-117	2		
1,1-Dichloroethane	ug/L	<1.0	50	50	48.8	50.3	98	101	83-151	3		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17
Pace Project No.: 70142169

Parameter	70141486031		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	MSD % Rec						
1,1-Dichloroethene	ug/L	<1.0	50	50	49.1	50.8	98	102	45-146	3				
1,2-Dichloroethane	ug/L	<1.0	50	50	48.6	50.3	97	101	74-129	3				
1,2-Dichloroethene (Total)	ug/L	<2.0	100	100	97.2	101	97	101	60-140	4				
1,2-Dichloropropane	ug/L	<1.0	50	50	48.0	49.1	96	98	75-117	2				
2-Butanone (MEK)	ug/L	<5.0	50	50	48.4	52.2	97	104	44-162	7	IL			
2-Hexanone	ug/L	<5.0	50	50	49.5	51.3	99	103	32-183	4				
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	49.3	51.9	99	104	69-132	5				
Acetone	ug/L	<5.0	50	50	48.8	49.9	95	97	23-188	2	CH			
Benzene	ug/L	<1.0	50	50	47.4	48.8	95	98	73-119	3				
Bromodichloromethane	ug/L	<1.0	50	50	49.6	51.4	99	103	78-117	4				
Bromoform	ug/L	<1.0	50	50	37.3	39.8	75	80	65-122	7				
Bromomethane	ug/L	<1.0	50	50	40.7	44.8	81	90	52-147	10				
Carbon disulfide	ug/L	<1.0	50	50	48.1	50.6	96	101	41-144	5				
Carbon tetrachloride	ug/L	<1.0	50	50	45.1	47.7	90	95	59-120	5				
Chlorobenzene	ug/L	<1.0	50	50	45.6	47.2	91	94	75-113	4				
Chloroethane	ug/L	<1.0	50	50	46.2	48.2	92	96	49-151	4				
Chloroform	ug/L	<1.0	50	50	49.1	50.8	98	102	72-122	3				
Chloromethane	ug/L	<1.0	50	50	44.4	46.1	89	92	46-144	4				
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	48.2	49.8	96	100	78-116	3				
Dibromochloromethane	ug/L	<1.0	50	50	46.7	49.2	93	98	70-120	5				
Ethylbenzene	ug/L	<1.0	50	50	45.2	46.5	90	93	70-113	3				
Methylene Chloride	ug/L	<1.0	50	50	46.3	47.9	93	96	61-142	3				
Styrene	ug/L	<1.0	50	50	46.0	48.1	92	96	72-118	5				
Tetrachloroethene	ug/L	<1.0	50	50	43.9	44.7	88	89	60-128	2				
Toluene	ug/L	<1.0	50	50	47.6	48.7	95	97	72-119	2				
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50.2	51.8	100	104	79-116	3				
Trichloroethene	ug/L	<1.0	50	50	47.4	48.4	95	97	69-117	2				
Vinyl chloride	ug/L	<1.0	50	50	45.5	47.5	91	95	43-143	4				
Xylene (Total)	ug/L	<3.0	150	150	137	142	92	95	71-109	3				
1,2-Dichloroethane-d4 (S)	%							104	104	68-153				
4-Bromofluorobenzene (S)	%							101	101	79-124				
Toluene-d8 (S)	%							97	98	69-124				

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17
Pace Project No.: 70142169

QC Batch: 174669	Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C	Analysis Description: 8260 MSV
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70142169004

METHOD BLANK: 846957 Matrix: Water
Associated Lab Samples: 70142169004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	08/26/20 16:16	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	08/26/20 16:16	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	08/26/20 16:16	
1,1-Dichloroethane	ug/L	<1.0	1.0	08/26/20 16:16	
1,1-Dichloroethene	ug/L	<1.0	1.0	08/26/20 16:16	
1,2-Dichloroethane	ug/L	<1.0	1.0	08/26/20 16:16	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	08/26/20 16:16	
1,2-Dichloropropane	ug/L	<1.0	1.0	08/26/20 16:16	
2-Butanone (MEK)	ug/L	<5.0	5.0	08/26/20 16:16	IL
2-Hexanone	ug/L	<5.0	5.0	08/26/20 16:16	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	08/26/20 16:16	
Acetone	ug/L	<5.0	5.0	08/26/20 16:16	
Benzene	ug/L	<0.70	0.70	08/26/20 16:16	
Bromodichloromethane	ug/L	<1.0	1.0	08/26/20 16:16	
Bromoform	ug/L	<1.0	1.0	08/26/20 16:16	
Bromomethane	ug/L	<1.0	1.0	08/26/20 16:16	
Carbon disulfide	ug/L	<1.0	1.0	08/26/20 16:16	
Carbon tetrachloride	ug/L	<1.0	1.0	08/26/20 16:16	
Chlorobenzene	ug/L	<1.0	1.0	08/26/20 16:16	
Chloroethane	ug/L	<1.0	1.0	08/26/20 16:16	
Chloroform	ug/L	<1.0	1.0	08/26/20 16:16	
Chloromethane	ug/L	<1.0	1.0	08/26/20 16:16	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	08/26/20 16:16	
Dibromochloromethane	ug/L	<1.0	1.0	08/26/20 16:16	
Ethylbenzene	ug/L	<1.0	1.0	08/26/20 16:16	
Methylene Chloride	ug/L	<1.0	1.0	08/26/20 16:16	
Styrene	ug/L	<1.0	1.0	08/26/20 16:16	
Tetrachloroethane	ug/L	<1.0	1.0	08/26/20 16:16	
Toluene	ug/L	<1.0	1.0	08/26/20 16:16	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	08/26/20 16:16	
Trichloroethene	ug/L	<1.0	1.0	08/26/20 16:16	
Vinyl chloride	ug/L	<1.0	1.0	08/26/20 16:16	
Xylene (Total)	ug/L	<3.0	3.0	08/26/20 16:16	
1,2-Dichloroethane-d4 (S)	%	107	68-153	08/26/20 16:16	
4-Bromofluorobenzene (S)	%	100	79-124	08/26/20 16:16	
Toluene-d8 (S)	%	99	69-124	08/26/20 16:16	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17
Pace Project No.: 70142169

LABORATORY CONTROL SAMPLE: 846958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.3	97	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	51.9	104	74-121	
1,1,2-Trichloroethane	ug/L	50	52.6	105	80-117	
1,1-Dichloroethane	ug/L	50	52.4	105	83-151	
1,1-Dichloroethene	ug/L	50	50.8	102	45-146	
1,2-Dichloroethane	ug/L	50	52.5	105	74-129	
1,2-Dichloroethene (Total)	ug/L	100	104	104	60-140	
1,2-Dichloropropane	ug/L	50	51.5	103	75-117	
2-Butanone (MEK)	ug/L	50	61.4	123	44-162	IL
2-Hexanone	ug/L	50	59.6	119	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	53.0	106	69-132	
Acetone	ug/L	50	84.5	169	23-188	CH
Benzene	ug/L	50	50.0	100	73-119	
Bromodichloromethane	ug/L	50	53.3	107	78-117	
Bromoform	ug/L	50	42.5	85	65-122	
Bromomethane	ug/L	50	42.7	85	52-147	
Carbon disulfide	ug/L	50	51.2	102	41-144	
Carbon tetrachloride	ug/L	50	49.9	100	59-120	
Chlorobenzene	ug/L	50	48.1	96	75-113	
Chloroethane	ug/L	50	47.6	95	49-151	
Chloroform	ug/L	50	53.6	107	72-122	
Chloromethane	ug/L	50	42.9	86	46-144	
cis-1,3-Dichloropropene	ug/L	50	53.1	106	78-116	
Dibromochloromethane	ug/L	50	52.9	106	70-120	
Ethylbenzene	ug/L	50	47.8	96	70-113	
Methylene Chloride	ug/L	50	49.3	99	61-142	
Styrene	ug/L	50	49.4	99	72-118	
Tetrachloroethene	ug/L	50	46.3	93	60-128	
Toluene	ug/L	50	50.1	100	72-119	
trans-1,3-Dichloropropene	ug/L	50	56.0	112	79-116	
Trichloroethene	ug/L	50	50.1	100	69-117	
Vinyl chloride	ug/L	50	46.2	92	43-143	
Xylene (Total)	ug/L	150	145	97	71-109	
1,2-Dichloroethane-d4 (S)	%			103	68-153	
4-Bromofluorobenzene (S)	%			99	79-124	
Toluene-d8 (S)	%			97	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 847907 847908

Parameter	Units	70142780011		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,1,1-Trichloroethane	ug/L	<1.0	50	50	50.0	48.1	100	96	65-118	4		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	47.9	47.6	96	95	74-121	1		
1,1,2-Trichloroethane	ug/L	<1.0	50	50	51.4	49.8	103	100	80-117	3		
1,1-Dichloroethane	ug/L	<1.0	50	50	50.9	50.2	102	100	83-151	1		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 847907												847908											
Parameter	70142780011		MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Qual											
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec															
1,1-Dichloroethene	ug/L	<1.0	50	50	51.3	49.9	103	100	45-146	3													
1,2-Dichloroethane	ug/L	<1.0	50	50	53.5	51.0	107	102	74-129	5													
1,2-Dichloroethene (Total)	ug/L	6.6	100	100	108	108	102	101	60-140	0													
1,2-Dichloropropane	ug/L	<1.0	50	50	50.7	50.5	101	101	75-117	0													
2-Butanone (MEK)	ug/L	1.6J	50	50	48.5	49.3	94	95	44-162	1	IL												
2-Hexanone	ug/L	<5.0	50	50	46.4	48.0	93	96	32-183	3													
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	49.1	48.6	98	97	69-132	1													
Acetone	ug/L	13.3	50	50	58.4	57.9	90	89	23-188	1	CH												
Benzene	ug/L	1.3	50	50	50.7	50.4	99	98	73-119	1													
Bromodichloromethane	ug/L	<1.0	50	50	54.7	52.6	109	105	78-117	4													
Bromoform	ug/L	<1.0	50	50	43.8	40.9	88	82	65-122	7													
Bromomethane	ug/L	<1.0	50	50	45.6	42.5	91	85	52-147	7													
Carbon disulfide	ug/L	<1.0	50	50	51.8	50.2	104	100	41-144	3													
Carbon tetrachloride	ug/L	<1.0	50	50	49.8	48.9	100	98	59-120	2													
Chlorobenzene	ug/L	<1.0	50	50	46.7	46.8	93	94	75-113	0													
Chloroethane	ug/L	<1.0	50	50	49.0	47.9	98	96	49-151	2													
Chloroform	ug/L	<1.0	50	50	52.8	51.6	106	103	72-122	2													
Chloromethane	ug/L	<1.0	50	50	41.0	39.9	82	80	46-144	3													
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	51.4	50.5	103	101	78-116	2													
Dibromochloromethane	ug/L	<1.0	50	50	51.6	51.2	103	102	70-120	1													
Ethylbenzene	ug/L	360	50	50	392	564	64	408	70-113	36	E,M1,R1												
Methylene Chloride	ug/L	<1.0	50	50	56.6	61.1	113	122	61-142	8													
Styrene	ug/L	<1.0	50	50	59.9	63.9	120	128	72-118	6	M1												
Tetrachloroethene	ug/L	1.5	50	50	46.3	46.6	90	90	60-128	1													
Toluene	ug/L	175	50	50	196	218	42	86	72-119	11	E,M1												
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	54.8	52.7	110	105	79-116	4													
Trichloroethene	ug/L	<1.0	50	50	51.2	49.5	102	99	69-117	3													
Vinyl chloride	ug/L	22.5	50	50	63.0	62.8	81	81	43-143	0													
Xylene (Total)	ug/L	1080	150	150	1120	1500	31	284	71-109	29	ES,MS,RS												
1,2-Dichloroethane-d4 (S)	%						107	109	68-153														
4-Bromofluorobenzene (S)	%						100	101	79-124														
Toluene-d8 (S)	%						96	97	69-124														

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 847909												847910											
Parameter	70142780013		MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Qual											
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec															
1,1,1-Trichloroethane	ug/L	<1.0	50	50	47.5	46.9	95	94	65-118	1													
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	47.4	49.6	95	99	74-121	5													
1,1,2-Trichloroethane	ug/L	<1.0	50	50	49.8	49.1	100	98	80-117	1													
1,1-Dichloroethane	ug/L	<1.0	50	50	51.8	49.5	104	99	83-151	5													
1,1-Dichloroethene	ug/L	<1.0	50	50	49.8	48.5	100	97	45-146	3													
1,2-Dichloroethane	ug/L	<1.0	50	50	50.9	49.9	102	100	74-129	2													
1,2-Dichloroethene (Total)	ug/L	<2.0	100	100	101	99.1	101	99	60-140	2													

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17
Pace Project No.: 70142169

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 847909												847910											
Parameter	70142780013		MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Limits	RPD	Qual										
	Units	Result	Spike Conc.	Spike Conc.										Result	Result	% Rec	% Rec						
1,2-Dichloropropane	ug/L	<1.0	50	50	51.3	48.9	103	98	75-117	5													
2-Butanone (MEK)	ug/L	<5.0	50	50	48.3	50.2	97	100	44-162	4	IL												
2-Hexanone	ug/L	<5.0	50	50	47.5	50.2	95	100	32-183	5													
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	48.4	50.3	97	101	69-132	4													
Acetone	ug/L	<5.0	50	50	45.0	47.8	90	96	23-188	6	CH												
Benzene	ug/L	<1.0	50	50	49.8	48.2	100	96	73-119	3													
Bromodichloromethane	ug/L	<1.0	50	50	50.6	50.4	101	101	78-117	0													
Bromoform	ug/L	<1.0	50	50	35.8	39.4	72	79	65-122	10													
Bromomethane	ug/L	<1.0	50	50	40.1	41.4	80	83	52-147	3													
Carbon disulfide	ug/L	<1.0	50	50	48.8	48.0	98	96	41-144	2													
Carbon tetrachloride	ug/L	<1.0	50	50	46.3	46.8	93	94	59-120	1													
Chlorobenzene	ug/L	<1.0	50	50	48.1	46.5	96	93	75-113	4													
Chloroethane	ug/L	<1.0	50	50	46.5	44.5	93	89	49-151	4													
Chloroform	ug/L	<1.0	50	50	51.5	50.9	103	102	72-122	1													
Chloromethane	ug/L	<1.0	50	50	40.1	38.5	80	77	46-144	4													
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50.6	49.7	101	99	78-116	2													
Dibromochloromethane	ug/L	<1.0	50	50	48.1	48.2	96	96	70-120	0													
Ethylbenzene	ug/L	<1.0	50	50	49.2	47.6	98	95	70-113	3													
Methylene Chloride	ug/L	<1.0	50	50	48.8	47.3	98	95	61-142	3													
Styrene	ug/L	<1.0	50	50	49.3	47.8	99	96	72-118	3													
Tetrachloroethene	ug/L	2.7	50	50	51.4	47.2	97	89	60-128	8													
Toluene	ug/L	<1.0	50	50	51.3	49.4	103	99	72-119	4													
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	52.7	51.4	105	103	79-116	3													
Trichloroethene	ug/L	<1.0	50	50	48.9	48.0	98	96	69-117	2													
Vinyl chloride	ug/L	<1.0	50	50	43.8	42.0	88	84	43-143	4													
Xylene (Total)	ug/L	<3.0	150	150	149	143	100	96	71-109	4													
1,2-Dichloroethane-d4 (S)	%							102	68-153														
4-Bromofluorobenzene (S)	%							101	79-124														
Toluene-d8 (S)	%							101	69-124														

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 847911												847912											
Parameter	70142780025		MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Limits	RPD	Qual										
	Units	Result	Spike Conc.	Spike Conc.										Result	Result	% Rec	% Rec						
1,1,1-Trichloroethane	ug/L	<1.0	50	50	46.7	49.8	93	100	65-118	6													
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	48.0	50.8	96	102	74-121	6													
1,1,2-Trichloroethane	ug/L	<1.0	50	50	49.3	52.9	99	106	80-117	7													
1,1-Dichloroethane	ug/L	<1.0	50	50	48.3	51.9	97	104	83-151	7													
1,1-Dichloroethene	ug/L	<1.0	50	50	48.5	51.0	97	102	45-146	5													
1,2-Dichloroethane	ug/L	<1.0	50	50	49.5	51.6	99	103	74-129	4													
1,2-Dichloroethene (Total)	ug/L	5.3	100	100	103	109	98	104	60-140	6													
1,2-Dichloropropane	ug/L	<1.0	50	50	47.8	51.5	96	103	75-117	7													
2-Butanone (MEK)	ug/L	<5.0	50	50	48.4	49.6	97	99	44-162	2	IL												
2-Hexanone	ug/L	<5.0	50	50	48.3	51.1	97	102	32-183	6													

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

Parameter	70142780025		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec						
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	48.6	51.1	97	102	69-132	5				
Acetone	ug/L	<5.0	50	50	49.8	48.6	100	97	23-188	2	CH			
Benzene	ug/L	<1.0	50	50	47.8	50.3	96	101	73-119	5				
Bromodichloromethane	ug/L	<1.0	50	50	50.9	54.0	102	108	78-117	6				
Bromoform	ug/L	<1.0	50	50	41.7	42.6	83	85	65-122	2				
Bromomethane	ug/L	<1.0	50	50	41.8	44.8	84	90	52-147	7				
Carbon disulfide	ug/L	<1.0	50	50	47.6	50.5	95	101	41-144	6				
Carbon tetrachloride	ug/L	<1.0	50	50	48.3	50.8	97	102	59-120	5				
Chlorobenzene	ug/L	<1.0	50	50	46.1	49.2	92	98	75-113	7				
Chloroethane	ug/L	<1.0	50	50	44.7	46.9	89	94	49-151	5				
Chloroform	ug/L	<1.0	50	50	50.6	53.1	101	106	72-122	5				
Chloromethane	ug/L	<1.0	50	50	37.2	38.6	74	77	46-144	4				
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	48.9	52.7	98	105	78-116	7				
Dibromochloromethane	ug/L	<1.0	50	50	49.7	53.1	99	106	70-120	7				
Ethylbenzene	ug/L	<1.0	50	50	46.5	49.6	93	99	70-113	6				
Methylene Chloride	ug/L	<1.0	50	50	47.0	48.4	94	97	61-142	3				
Styrene	ug/L	<1.0	50	50	46.7	50.2	93	100	72-118	7				
Tetrachloroethene	ug/L	<1.0	50	50	44.8	47.3	90	95	60-128	6				
Toluene	ug/L	<1.0	50	50	49.4	52.0	99	104	72-119	5				
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	51.8	54.7	104	109	79-116	6				
Trichloroethene	ug/L	<1.0	50	50	49.0	51.7	98	103	69-117	5				
Vinyl chloride	ug/L	<1.0	50	50	41.2	42.5	82	85	43-143	3				
Xylene (Total)	ug/L	<3.0	150	150	141	151	94	101	71-109	6				
1,2-Dichloroethane-d4 (S)	%						108	105	68-153					
4-Bromofluorobenzene (S)	%						101	99	79-124					
Toluene-d8 (S)	%						98	99	69-124					

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

QC Batch:	173570	Analysis Method:	SM22 4500-H+B
QC Batch Method:	SM22 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70142169001, 70142169002, 70142169003, 70142169004

SAMPLE DUPLICATE: 841079

Parameter	Units	70142008001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	6.0	6.0	0	H3,H6
Temperature, Water (C)	deg C	13.7	13.4	2	H3,H6

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QUALIFIERS

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
ES	The reported result is estimated because one or more of the constituent results are qualified as such.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT MONTHLY 8/17

Pace Project No.: 70142169

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70142169001	SYS-EFF	EPA 200.7	174213	EPA 200.7	174217
70142169002	SYS-INF	EPA 200.7	174213	EPA 200.7	174217
70142169003	UG	EPA 200.7	174213	EPA 200.7	174217
70142169004	MAG	EPA 200.7	174213	EPA 200.7	174217
70142169001	SYS-EFF	EPA 8260C/5030C	174446		
70142169002	SYS-INF	EPA 8260C/5030C	174446		
70142169003	UG	EPA 8260C/5030C	174446		
70142169004	MAG	EPA 8260C/5030C	174669		
70142169001	SYS-EFF	SM22 4500-H+B	173570		
70142169002	SYS-INF	SM22 4500-H+B	173570		
70142169003	UG	SM22 4500-H+B	173570		
70142169004	MAG	SM22 4500-H+B	173570		

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WO#: 70142169

CHAIN-OF-CUSTODY / Analytical Receipt

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant information is included on this document.

Section A
 Required Client Information:
 Company: P.W. Gresser Engineer & Hydrogeologist
 Address: 630 Johnson Avenue
 Bohemia, NY 11716
 Email: kerosby@pwgrouser.com
 Phone: (631) 589-6353
 Requested Due Date: Standard

Section B
 Required Project Information:
 Report To: Kaitlyn Crosby
 Copy To:
 Purchase Order #: MINMILT MONTHLY
 Project Name: MINMILT MONTHLY
 Project #: MIN1001

Section C
 Invoice Information:
 Attention: Same as Client
 Company Name: Pace Analytical
 Address:
 Pace Quote:
 Pace Project Manager: betty.harrison@paceclabs.com
 Pace Profile #: 5392

Regulatory Agency: _____
 State / Location: NY

Of 1

ITEM #	MATRIX CODE Drinking Water (DW) Water (WT) Waste Water (WW) Product (P) Soil/Solid (SL) Oil (OL) Wipe (WP) Air (AR) Other (OT) Tissue (TS)	SAMPLE ID One Character per box. (A-Z, 0-9 /, -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		PRESERVATIVES	ANALYSES TEST	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	TEMP in C	Received on	Ice (Y/N)	Custody (Y/N)	Sealed Cooler (Y/N)	Samples In tact (Y/N)							
					START DATE	END DATE											Unpreserved	H2SO4	HNO3	HCl	Na2S2O3	Methanol	Other
					TIME	TIME											OF CONTAINERS	200.7 ICP Metals	4500H+B pH	8260 Full List			
1	SYS-EFF		WT	G	8-17-20	0900	X	X	X	X	X												
2	SYS-INF		WT			0910																	
3	UG					0920																	
4	MAG					0930																	
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<u>Ken Pace</u>	8-17-2020	0945	<u>Kaitlyn Crosby</u>	8/17/20	0944	17.1 W N Y

SAMPLER NAME AND SIGNATURE: _____
 PRINT Name of SAMPLER: Kaitlyn Crosby
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed: 08/17/2020



Sample Condition Upon Receipt

Client Name: _____

Project: _____

WO#: 70142169
PM: EMH
CLIENT: PWG
Due Date: 08/31/20

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: +0.4

Cooler Temperature (°C): 17.1 Cooler Temperature Corrected (°C): 17.5

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: *WRH/dta*

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <i>HC904495</i>			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #			Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):			

Client Notification/ Resolution: _____

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

September 25, 2020

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT MONTHLY 9/14
Pace Project No.: 70145711

Dear Kaitlyn Crosby:

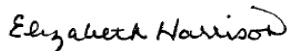
Enclosed are the analytical results for sample(s) received by the laboratory on September 14, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Kaitlyn Crosby, P.W. Grosser Engineer & Hydrogeologist



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT MONTHLY 9/14

Pace Project No.: 70145711

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 9/14

Pace Project No.: 70145711

Sample: SYS-EFF	Lab ID: 70145711001	Collected: 09/14/20 10:15	Received: 09/14/20 10:44	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	105	ug/L	100	1	09/23/20 12:11	09/25/20 11:15	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		09/17/20 17:50	67-64-1	IC,L1
Benzene	<0.70	ug/L	0.70	1		09/17/20 17:50	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		09/17/20 17:50	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		09/17/20 17:50	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		09/17/20 17:50	74-83-9	L1
2-Butanone (MEK)	<5.0	ug/L	5.0	1		09/17/20 17:50	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		09/17/20 17:50	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/17/20 17:50	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		09/17/20 17:50	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		09/17/20 17:50	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		09/17/20 17:50	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/17/20 17:50	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		09/17/20 17:50	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/17/20 17:50	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		09/17/20 17:50	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		09/17/20 17:50	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/17/20 17:50	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/17/20 17:50	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/17/20 17:50	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/17/20 17:50	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		09/17/20 17:50	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		09/17/20 17:50	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		09/17/20 17:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		09/17/20 17:50	108-10-1	
Styrene	<1.0	ug/L	1.0	1		09/17/20 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/17/20 17:50	79-34-5	
Tetrachloroethene	2.5	ug/L	1.0	1		09/17/20 17:50	127-18-4	
Toluene	<1.0	ug/L	1.0	1		09/17/20 17:50	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/17/20 17:50	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/17/20 17:50	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		09/17/20 17:50	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		09/17/20 17:50	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		09/17/20 17:50	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		09/17/20 17:50	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	1		09/17/20 17:50	460-00-4	
Toluene-d8 (S)	87	%	69-124	1		09/17/20 17:50	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	7.2	Std. Units	0.10	1		09/15/20 08:52		H3,H6
Temperature, Water (C)	16.5	deg C	0.10	1		09/15/20 08:52		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 9/14

Pace Project No.: 70145711

Sample: SYS-INF'	Lab ID: 70145711002	Collected: 09/14/20 10:25	Received: 09/14/20 10:44	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	236	ug/L	100	1	09/23/20 12:11	09/25/20 11:18	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		09/17/20 18:13	67-64-1	IC,L1
Benzene	<0.70	ug/L	0.70	1		09/17/20 18:13	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		09/17/20 18:13	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		09/17/20 18:13	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		09/17/20 18:13	74-83-9	L1
2-Butanone (MEK)	<5.0	ug/L	5.0	1		09/17/20 18:13	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		09/17/20 18:13	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/17/20 18:13	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		09/17/20 18:13	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		09/17/20 18:13	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		09/17/20 18:13	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/17/20 18:13	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		09/17/20 18:13	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/17/20 18:13	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		09/17/20 18:13	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		09/17/20 18:13	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/17/20 18:13	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/17/20 18:13	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/17/20 18:13	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/17/20 18:13	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		09/17/20 18:13	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		09/17/20 18:13	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		09/17/20 18:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		09/17/20 18:13	108-10-1	
Styrene	<1.0	ug/L	1.0	1		09/17/20 18:13	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/17/20 18:13	79-34-5	
Tetrachloroethene	1300	ug/L	10.0	10		09/18/20 19:15	127-18-4	
Toluene	<1.0	ug/L	1.0	1		09/17/20 18:13	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/17/20 18:13	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/17/20 18:13	79-00-5	
Trichloroethene	16.3	ug/L	1.0	1		09/17/20 18:13	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		09/17/20 18:13	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		09/17/20 18:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		09/17/20 18:13	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124	1		09/17/20 18:13	460-00-4	
Toluene-d8 (S)	87	%	69-124	1		09/17/20 18:13	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	5.8	Std. Units	0.10	1		09/15/20 08:53		H3,H6
Temperature, Water (C)	16.8	deg C	0.10	1		09/15/20 08:53		H3,H6

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 9/14
Pace Project No.: 70145711

QC Batch: 178560 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70145711001, 70145711002

METHOD BLANK: 867221 Matrix: Water
Associated Lab Samples: 70145711001, 70145711002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	09/25/20 10:43	

LABORATORY CONTROL SAMPLE: 867222

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2090	104	85-115	

MATRIX SPIKE SAMPLE: 867224

Parameter	Units	70145515001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	2000	2060	102	70-130	

MATRIX SPIKE SAMPLE: 867248

Parameter	Units	70145944002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	218	2000	2200	99	70-130	

SAMPLE DUPLICATE: 867223

Parameter	Units	70145515001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

SAMPLE DUPLICATE: 867247

Parameter	Units	70145944002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	218	194	12	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 9/14
Pace Project No.: 70145711

QC Batch: 177818 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70145711001, 70145711002

METHOD BLANK: 862791 Matrix: Water
Associated Lab Samples: 70145711001, 70145711002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/17/20 16:34	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/17/20 16:34	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/17/20 16:34	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/17/20 16:34	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/17/20 16:34	
1,2-Dichloroethane	ug/L	<1.0	1.0	09/17/20 16:34	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	09/17/20 16:34	
1,2-Dichloropropane	ug/L	<1.0	1.0	09/17/20 16:34	
2-Butanone (MEK)	ug/L	<5.0	5.0	09/17/20 16:34	IL
2-Hexanone	ug/L	<5.0	5.0	09/17/20 16:34	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	09/17/20 16:34	
Acetone	ug/L	<5.0	5.0	09/17/20 16:34	IC
Benzene	ug/L	<0.70	0.70	09/17/20 16:34	
Bromodichloromethane	ug/L	<1.0	1.0	09/17/20 16:34	
Bromoform	ug/L	<1.0	1.0	09/17/20 16:34	
Bromomethane	ug/L	<1.0	1.0	09/17/20 16:34	
Carbon disulfide	ug/L	<1.0	1.0	09/17/20 16:34	
Carbon tetrachloride	ug/L	<1.0	1.0	09/17/20 16:34	
Chlorobenzene	ug/L	<1.0	1.0	09/17/20 16:34	
Chloroethane	ug/L	<1.0	1.0	09/17/20 16:34	
Chloroform	ug/L	<1.0	1.0	09/17/20 16:34	
Chloromethane	ug/L	<1.0	1.0	09/17/20 16:34	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/17/20 16:34	
Dibromochloromethane	ug/L	<1.0	1.0	09/17/20 16:34	
Ethylbenzene	ug/L	<1.0	1.0	09/17/20 16:34	
Methylene Chloride	ug/L	<1.0	1.0	09/17/20 16:34	
Styrene	ug/L	<1.0	1.0	09/17/20 16:34	
Tetrachloroethene	ug/L	<1.0	1.0	09/17/20 16:34	
Toluene	ug/L	<1.0	1.0	09/17/20 16:34	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/17/20 16:34	
Trichloroethene	ug/L	<1.0	1.0	09/17/20 16:34	
Vinyl chloride	ug/L	<1.0	1.0	09/17/20 16:34	
Xylene (Total)	ug/L	<3.0	3.0	09/17/20 16:34	
1,2-Dichloroethane-d4 (S)	%	89	68-153	09/17/20 16:34	
4-Bromofluorobenzene (S)	%	96	79-124	09/17/20 16:34	
Toluene-d8 (S)	%	88	69-124	09/17/20 16:34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 9/14

Pace Project No.: 70145711

LABORATORY CONTROL SAMPLE: 862792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.7	95	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	74-121	
1,1,2-Trichloroethane	ug/L	50	56.7	113	80-117	
1,1-Dichloroethane	ug/L	50	55.8	112	83-151	
1,1-Dichloroethene	ug/L	50	53.4	107	45-146	
1,2-Dichloroethane	ug/L	50	54.8	110	74-129	
1,2-Dichloroethene (Total)	ug/L	100	112	112	60-140	
1,2-Dichloropropane	ug/L	50	54.1	108	75-117	
2-Butanone (MEK)	ug/L	50	51.1	102	44-162	IL
2-Hexanone	ug/L	50	54.8	110	32-183	CH
4-Methyl-2-pentanone (MIBK)	ug/L	50	59.2	118	69-132	CH
Acetone	ug/L	50	103	205	23-188	CH,IC,L1
Benzene	ug/L	50	53.4	107	73-119	
Bromodichloromethane	ug/L	50	52.9	106	78-117	
Bromoform	ug/L	50	59.5	119	65-122	
Bromomethane	ug/L	50	84.9	170	52-147	CH,IH,L1
Carbon disulfide	ug/L	50	54.8	110	41-144	
Carbon tetrachloride	ug/L	50	49.5	99	59-120	
Chlorobenzene	ug/L	50	50.0	100	75-113	
Chloroethane	ug/L	50	58.6	117	49-151	
Chloroform	ug/L	50	55.4	111	72-122	
Chloromethane	ug/L	50	55.0	110	46-144	
cis-1,3-Dichloropropene	ug/L	50	47.6	95	78-116	
Dibromochloromethane	ug/L	50	52.9	106	70-120	
Ethylbenzene	ug/L	50	50.0	100	70-113	
Methylene Chloride	ug/L	50	55.5	111	61-142	
Styrene	ug/L	50	50.3	101	72-118	
Tetrachloroethene	ug/L	50	52.7	105	60-128	
Toluene	ug/L	50	55.4	111	72-119	
trans-1,3-Dichloropropene	ug/L	50	44.1	88	79-116	
Trichloroethene	ug/L	50	52.7	105	69-117	
Vinyl chloride	ug/L	50	59.0	118	43-143	IH
Xylene (Total)	ug/L	150	151	101	71-109	
1,2-Dichloroethane-d4 (S)	%			87	68-153	
4-Bromofluorobenzene (S)	%			97	79-124	
Toluene-d8 (S)	%			88	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 863686

863687

Parameter	Units	70145600007		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,1,1-Trichloroethane	ug/L	<1.0	50	50	44.1	45.6	88	91	65-118	3		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	44.4	44.8	89	90	74-121	1		
1,1,2-Trichloroethane	ug/L	<1.0	50	50	52.2	51.5	104	103	80-117	1		
1,1-Dichloroethane	ug/L	<1.0	50	50	53.0	53.0	106	106	83-151	0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 9/14
Pace Project No.: 70145711

Parameter	70145600007		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	MSD % Rec						
1,1-Dichloroethene	ug/L	<1.0	50	50	51.6	51.4	103	103	45-146	0				
1,2-Dichloroethane	ug/L	<1.0	50	50	50.4	49.5	101	99	74-129	2				
1,2-Dichloroethene (Total)	ug/L	<2.0	100	100	106	107	106	107	60-140	1				
1,2-Dichloropropane	ug/L	<1.0	50	50	51.4	52.1	103	104	75-117	1				
2-Butanone (MEK)	ug/L	<5.0	50	50	44.8	43.8	90	88	44-162	2	IL			
2-Hexanone	ug/L	<5.0	50	50	48.0	47.3	96	95	32-183	1	CH			
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	53.3	55.8	107	112	69-132	5	CH			
Acetone	ug/L	<5.0	50	50	64.5	59.8	129	120	23-188	8	CH,IC			
Benzene	ug/L	<1.0	50	50	52.7	53.0	105	106	73-119	1				
Bromodichloromethane	ug/L	<1.0	50	50	50.1	50.7	100	101	78-117	1				
Bromoform	ug/L	<1.0	50	50	52.6	52.7	105	105	65-122	0				
Bromomethane	ug/L	<1.0	50	50	69.6	77.2	139	154	52-147	10	CH,IH,MO			
Carbon disulfide	ug/L	<1.0	50	50	52.2	52.6	104	105	41-144	1				
Carbon tetrachloride	ug/L	<1.0	50	50	48.3	49.3	97	99	59-120	2				
Chlorobenzene	ug/L	<1.0	50	50	47.8	47.6	96	95	75-113	0				
Chloroethane	ug/L	<1.0	50	50	57.5	56.5	115	113	49-151	2				
Chloroform	ug/L	<1.0	50	50	52.4	51.5	105	103	72-122	2				
Chloromethane	ug/L	<1.0	50	50	49.7	51.3	99	103	46-144	3				
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	41.8	42.7	84	85	78-116	2				
Dibromochloromethane	ug/L	<1.0	50	50	48.7	48.3	97	97	70-120	1				
Ethylbenzene	ug/L	<1.0	50	50	48.6	48.3	97	97	70-113	1				
Methylene Chloride	ug/L	<1.0	50	50	52.3	52.6	105	105	61-142	1				
Styrene	ug/L	<1.0	50	50	46.9	47.1	94	94	72-118	0				
Tetrachloroethene	ug/L	<1.0	50	50	51.1	50.7	102	101	60-128	1				
Toluene	ug/L	<1.0	50	50	53.5	54.1	107	108	72-119	1				
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	37.6	38.3	75	77	79-116	2	M1			
Trichloroethene	ug/L	<1.0	50	50	52.1	52.2	104	104	69-117	0				
Vinyl chloride	ug/L	<1.0	50	50	54.4	55.6	109	111	43-143	2	IH			
Xylene (Total)	ug/L	<3.0	150	150	144	144	96	96	71-109	0				
1,2-Dichloroethane-d4 (S)	%						87	87	68-153					
4-Bromofluorobenzene (S)	%						96	95	79-124					
Toluene-d8 (S)	%						89	87	69-124					

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 9/14

Pace Project No.: 70145711

QC Batch: 177256

Analysis Method: SM22 4500-H+B

QC Batch Method: SM22 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70145711001, 70145711002

SAMPLE DUPLICATE: 860235

Parameter	Units	70145483002 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.1	7.2		0 H3,H6
Temperature, Water (C)	deg C	15.9	14.7		8 H3,H6

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QUALIFIERS

Project: MINMILT MONTHLY 9/14

Pace Project No.: 70145711

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT MONTHLY 9/14

Pace Project No.: 70145711

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70145711001	SYS-EFF	EPA 200.7	178560	EPA 200.7	178564
70145711002	SYS-INF'	EPA 200.7	178560	EPA 200.7	178564
70145711001	SYS-EFF	EPA 8260C/5030C	177818		
70145711002	SYS-INF'	EPA 8260C/5030C	177818		
70145711001	SYS-EFF	SM22 4500-H+B	177256		
70145711002	SYS-INF'	SM22 4500-H+B	177256		

REPORT OF LABORATORY ANALYSIS

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WO# : 70145711



CHAIN-OF-CUSTODY / Analytical Request

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fi

Section A
 Required Client Information:
 Company: P.W. Gresser Engineer & Hydrogeologist
 Address: 630 Johnson Avenue
 Bohemia, NY 11716
 Email: krosby@pwgresser.com
 Phone: (631) 589-3363
 Requested Due Date: *Standard*

Section B
 Required Project Information:
 Report To: Kaitlyn Crosby
 Copy To:
 Purchase Order #: *MINNILT MONTHLY*
 Project Name: *MINNILT MONTHLY*
 Project #: *M3N1109*

Section C
 Invoice Information:
 Attention: *Same as client*
 Company Name:
 Address:
 Pace Quote:
 Pace Project Manager: *betty.harrison@pacelabs.com*
 Pace Profile #: 5392

Regulatory Agency
 State / Location: NY

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Y/N	Requested Analysis Filtered (Y/N)			Residual Chlorine (Y/N)			
			START	END				H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	200.7 ICP Metals	450H+B pH	8260 Full List								
1	SYS-EFF	DW	DATE: 9-14-20	TIME: 1015	G		5											X	X	X					
2	SYS-INF	WT	DATE: 9-14-20	TIME: 1025	G		5											X	X	X					
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Received on	Ice	(Y/N)	Sealed	Custody	(Y/N)	Cooler	(Y/N)	Samples	Intact	(Y/N)
	<i>Pace Labs</i>	<i>9-14-20</i>	<i>1014</i>	<i>Kaitlyn Crosby</i>	<i>9/14/20</i>	<i>1014</i>	<i>128</i>	<i>4 N</i>										



Sample Condition Upon Receipt

WO#: 70145711
PM: EMH Due Date: 09/28/20
CLIENT: PWG

Client Name: PWG

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____
Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: +0.4

Cooler Temperature (°C): 12.8 Cooler Temperature Corrected (°C): 13.2

Temp should be above freezing to 6.0°C
USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: IT 9/14/20

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL		
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HEC003032</u>		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method: VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____		

Client Notification/ Resolution: _____ Field Data Required? Y / N
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

July 01, 2021

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN1001/MINMILT 6/23
Pace Project No.: 70178037

Dear Kaitlyn Crosby:

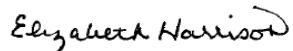
Enclosed are the analytical results for sample(s) received by the laboratory on June 23, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178037

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178037

Sample: SYS-EFF-4	Lab ID: 70178037001	Collected: 06/23/21 10:10	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 12:14	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/29/21 12:14	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 12:14	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 12:14	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/29/21 12:14	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 12:14	107-06-2	
1,2-Dichloroethene (Total)	20.0	ug/L	2.0	1		06/29/21 12:14	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/29/21 12:14	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/29/21 12:14	78-93-3	v1
2-Hexanone	<5.0	ug/L	5.0	1		06/29/21 12:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/29/21 12:14	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/29/21 12:14	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/29/21 12:14	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/29/21 12:14	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/29/21 12:14	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/29/21 12:14	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/29/21 12:14	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/29/21 12:14	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/29/21 12:14	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/29/21 12:14	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/29/21 12:14	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/29/21 12:14	74-87-3	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		06/29/21 12:14	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/29/21 12:14	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/29/21 12:14	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/29/21 12:14	100-42-5	
Tetrachloroethene	33.1	ug/L	1.0	1		06/29/21 12:14	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/29/21 12:14	108-88-3	
Trichloroethene	1.6	ug/L	1.0	1		06/29/21 12:14	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/29/21 12:14	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/29/21 12:14	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 12:14	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 12:14	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	70-123	1		06/29/21 12:14	17060-07-0	
4-Bromofluorobenzene (S)	99	%	66-119	1		06/29/21 12:14	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		06/29/21 12:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178037

Sample: SYS-INF-4	Lab ID: 70178037002	Collected: 06/23/21 10:15	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 15:30	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/29/21 15:30	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 15:30	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 15:30	75-34-3	
1,1-Dichloroethene	2.1	ug/L	1.0	1		06/29/21 15:30	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 15:30	107-06-2	
1,2-Dichloroethene (Total)	1500	ug/L	40.0	20		06/29/21 16:00	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/29/21 15:30	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/29/21 15:30	78-93-3	v1
2-Hexanone	<5.0	ug/L	5.0	1		06/29/21 15:30	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/29/21 15:30	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/29/21 15:30	67-64-1	IH,v1
Benzene	<0.70	ug/L	0.70	1		06/29/21 15:30	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/29/21 15:30	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/29/21 15:30	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/29/21 15:30	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/29/21 15:30	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/29/21 15:30	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/29/21 15:30	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/29/21 15:30	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/29/21 15:30	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/29/21 15:30	74-87-3	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		06/29/21 15:30	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/29/21 15:30	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/29/21 15:30	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/29/21 15:30	100-42-5	
Tetrachloroethene	1730	ug/L	20.0	20		06/29/21 16:00	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/29/21 15:30	108-88-3	
Trichloroethene	355	ug/L	20.0	20		06/29/21 16:00	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/29/21 15:30	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/29/21 15:30	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 15:30	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 15:30	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	70-123	1		06/29/21 15:30	17060-07-0	
4-Bromofluorobenzene (S)	100	%	66-119	1		06/29/21 15:30	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		06/29/21 15:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23
Pace Project No.: 70178037

QC Batch: 215609 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70178037001, 70178037002

METHOD BLANK: 1085741 Matrix: Water

Associated Lab Samples: 70178037001, 70178037002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/29/21 08:01	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	06/29/21 08:01	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/29/21 08:01	
2-Butanone (MEK)	ug/L	<5.0	5.0	06/29/21 08:01	
2-Hexanone	ug/L	<5.0	5.0	06/29/21 08:01	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	06/29/21 08:01	
Acetone	ug/L	<5.0	5.0	06/29/21 08:01	
Benzene	ug/L	<0.70	0.70	06/29/21 08:01	
Bromodichloromethane	ug/L	<1.0	1.0	06/29/21 08:01	
Bromoform	ug/L	<1.0	1.0	06/29/21 08:01	
Bromomethane	ug/L	<1.0	1.0	06/29/21 08:01	v3
Carbon disulfide	ug/L	<1.0	1.0	06/29/21 08:01	
Carbon tetrachloride	ug/L	<1.0	1.0	06/29/21 08:01	
Chlorobenzene	ug/L	<1.0	1.0	06/29/21 08:01	
Chloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
Chloroform	ug/L	<1.0	1.0	06/29/21 08:01	
Chloromethane	ug/L	<1.0	1.0	06/29/21 08:01	v3
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/29/21 08:01	
Dibromochloromethane	ug/L	<1.0	1.0	06/29/21 08:01	
Ethylbenzene	ug/L	<1.0	1.0	06/29/21 08:01	
Methylene Chloride	ug/L	<1.0	1.0	06/29/21 08:01	
Styrene	ug/L	<1.0	1.0	06/29/21 08:01	
Tetrachloroethene	ug/L	<1.0	1.0	06/29/21 08:01	
Toluene	ug/L	<1.0	1.0	06/29/21 08:01	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/29/21 08:01	
Trichloroethene	ug/L	<1.0	1.0	06/29/21 08:01	
Vinyl chloride	ug/L	<1.0	1.0	06/29/21 08:01	
Xylene (Total)	ug/L	<3.0	3.0	06/29/21 08:01	
1,2-Dichloroethane-d4 (S)	%	110	70-123	06/29/21 08:01	
4-Bromofluorobenzene (S)	%	98	66-119	06/29/21 08:01	
Toluene-d8 (S)	%	97	82-121	06/29/21 08:01	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178037

LABORATORY CONTROL SAMPLE: 1085742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.4	109	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	57.1	114	75-122	
1,1,2-Trichloroethane	ug/L	50	55.2	110	80-122	
1,1-Dichloroethane	ug/L	50	53.7	107	68-127	
1,1-Dichloroethene	ug/L	50	52.0	104	65-123	
1,2-Dichloroethane	ug/L	50	57.8	116	73-128	
1,2-Dichloroethene (Total)	ug/L	100	106	106	72-124	
1,2-Dichloropropane	ug/L	50	55.4	111	79-117	
2-Butanone (MEK)	ug/L	50	68.3	137	28-169 v1	
2-Hexanone	ug/L	50	48.0	96	59-138	
4-Methyl-2-pentanone (MIBK)	ug/L	50	58.1	116	70-129	
Acetone	ug/L	50	46.9	94	10-225 IH,v1	
Benzene	ug/L	50	56.4	113	73-121	
Bromodichloromethane	ug/L	50	57.6	115	74-127	
Bromoform	ug/L	50	51.7	103	55-128	
Bromomethane	ug/L	50	20.8	42	12-176 v3	
Carbon disulfide	ug/L	50	50.8	102	57-129	
Carbon tetrachloride	ug/L	50	59.5	119	64-122	
Chlorobenzene	ug/L	50	49.5	99	76-117	
Chloroethane	ug/L	50	45.0	90	60-129	
Chloroform	ug/L	50	54.8	110	74-129	
Chloromethane	ug/L	50	36.4	73	43-126 v3	
cis-1,3-Dichloropropene	ug/L	50	60.1	120	65-134	
Dibromochloromethane	ug/L	50	48.9	98	71-130	
Ethylbenzene	ug/L	50	49.6	99	70-120	
Methylene Chloride	ug/L	50	50.8	102	69-126	
Styrene	ug/L	50	52.1	104	80-121	
Tetrachloroethene	ug/L	50	46.0	92	65-120	
Toluene	ug/L	50	53.3	107	77-120	
trans-1,3-Dichloropropene	ug/L	50	62.3	125	54-139	
Trichloroethene	ug/L	50	52.3	105	73-116	
Vinyl chloride	ug/L	50	42.6	85	50-130	
Xylene (Total)	ug/L	150	150	100	73-120	
1,2-Dichloroethane-d4 (S)	%			109	70-123	
4-Bromofluorobenzene (S)	%			98	66-119	
Toluene-d8 (S)	%			98	82-121	

MATRIX SPIKE SAMPLE: 1086735

Parameter	Units	70178051018 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	51.9	104	60-127	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	52.0	104	74-118	
1,1,2-Trichloroethane	ug/L	<1.0	50	49.3	99	80-120	
1,1-Dichloroethane	ug/L	<1.0	50	51.6	103	69-131	
1,1-Dichloroethene	ug/L	<1.0	50	53.4	107	70-129	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178037

MATRIX SPIKE SAMPLE: 1086735		70178051018	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	53.4	107	70-129	
1,2-Dichloroethene (Total)	ug/L	20.8	100	126	106	67-132	
1,2-Dichloropropane	ug/L	<1.0	50	50.6	101	77-118	
2-Butanone (MEK)	ug/L	<5.0	50	63.3	127	15-159 v1	
2-Hexanone	ug/L	<5.0	50	41.9	84	60-127	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	51.2	102	66-129	
Acetone	ug/L	<5.0	50	40.0	80	10-189 IH,v1	
Benzene	ug/L	<0.70	50	53.2	106	74-126	
Bromodichloromethane	ug/L	<1.0	50	51.3	103	71-125	
Bromoform	ug/L	<1.0	50	45.7	91	40-128	
Bromomethane	ug/L	<1.0	50	14.1	28	10-179 v3	
Carbon disulfide	ug/L	<1.0	50	50.3	101	60-131	
Carbon tetrachloride	ug/L	<1.0	50	58.3	117	64-125	
Chlorobenzene	ug/L	<1.0	50	46.2	92	72-121	
Chloroethane	ug/L	<1.0	50	44.4	89	54-137	
Chloroform	ug/L	<1.0	50	52.0	104	73-128	
Chloromethane	ug/L	<1.0	50	35.6	71	45-123 v3	
cis-1,3-Dichloropropene	ug/L	<1.0	50	52.3	105	57-130	
Dibromochloromethane	ug/L	<1.0	50	42.8	86	59-132	
Ethylbenzene	ug/L	<1.0	50	45.5	91	67-126	
Methylene Chloride	ug/L	<1.0	50	46.8	94	65-129	
Styrene	ug/L	<1.0	50	47.6	95	74-121	
Tetrachloroethene	ug/L	<1.0	50	46.8	94	59-131	
Toluene	ug/L	<1.0	50	49.6	99	76-124	
trans-1,3-Dichloropropene	ug/L	<1.0	50	51.8	104	42-140	
Trichloroethene	ug/L	10.7	50	73.2	125	78-119 M1	
Vinyl chloride	ug/L	4.6	50	48.8	88	45-141	
Xylene (Total)	ug/L	<3.0	150	139	92	69-125	
1,2-Dichloroethane-d4 (S)	%				111	70-123	
4-Bromofluorobenzene (S)	%				99	66-119	
Toluene-d8 (S)	%				97	82-121	

SAMPLE DUPLICATE: 1086734

Parameter	Units	70178051017	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	4.1	4.4	7	
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Hexanone	ug/L	<5.0	<5.0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178037

SAMPLE DUPLICATE: 1086734

Parameter	Units	70178051017 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		v3
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		v3
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	2.6	1.9	30	D6
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	10.3	12.3	17	
Vinyl chloride	ug/L	3.5	4.4	25	D6
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	108	112		
4-Bromofluorobenzene (S)	%	98	98		
Toluene-d8 (S)	%	97	96		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178037

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

√1 The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

√3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178037

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178037001	SYS-EFF-4	EPA 8260C/5030C	215609		
70178037002	SYS-INF-4	EPA 8260C/5030C	215609		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company: PW Grosser Consulting
Address: 650 Johnson Ave, Bohemia, NY 11716

Report To: Kaitlyn Crosby

Site Collection Info/Address: 540 Smith Street

State: NY / Farmingdale

Time Zone Collected: [] PT [] MT [] CT [] ET

Compliance Monitoring? [] Yes [] No

DW PWS ID #: _____
DW Location Code: _____

Immediately Packed on Ice: [] Yes [] No

Field Filtered (if applicable): [] Yes [] No

Analysis: _____

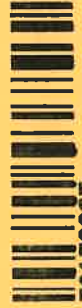
* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End Date	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)
			Date	Time				
SYS-EEF-4	GW	Grab	09/21/10	10:10			2	
SYS-DAE-4	GW	Grab	09/23/10	10:15			2	

(same) r/c (same)

LAB USE ONLY - A Few Minutes to Label Here or Hit Pace Workorder Number or

WO#: 70178037



70178037

LAB USE ONLY

Manager: EMH

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexene, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signatures Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Solids	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

LAB Sample Temperature Info:

Temp Blank Received:	Y	N	NA
Therm ID#:	TH091		
Cooler 1 Temp Upon Receipt:	14.0C		
Cooler 1 Therm Corr. Factor:	0		
Cooler 1 Corrected Temp:	14.0C		

Comments:

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: _____

Samples received via: FEDEX UPS Client Courier Pace Courier

Date/Time: 09/23/10 14:59

Date/Time: _____

Date/Time: _____

Reinquinshed by/Company: (Signature) *[Signature]*
Date/Time: 6-23-21 14:58

Reinquinshed by/Company: (Signature) *[Signature]*
Date/Time: _____

Reinquinshed by/Company: (Signature) _____
Date/Time: _____

Trip Blank Received:	Y	N	NA
HCL MeOH TSP Other			
Non Conformance(s):	YES	NO	
Page: of:	1	1	

May 01, 2020

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN MILT 4/27
Pace Project No.: 70129221

Dear Kaitlyn Crosby:

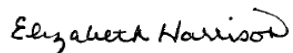
Enclosed are the analytical results for sample(s) received by the laboratory on April 27, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Kaitlyn Crosby, P.W. Grosser Engineer & Hydrogeologist



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN MILT 4/27

Pace Project No.: 70129221

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN MILT 4/27
 Pace Project No.: 70129221

Sample: SYS-EFF	Lab ID: 70129221001	Collected: 04/27/20 09:00	Received: 04/27/20 09:19	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	<100	ug/L	100	1	04/29/20 10:50	04/30/20 17:37	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		04/30/20 19:14	67-64-1	CL,IC
Benzene	<0.70	ug/L	0.70	1		04/30/20 19:14	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/30/20 19:14	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/30/20 19:14	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/30/20 19:14	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/30/20 19:14	78-93-3	CL
Carbon disulfide	<1.0	ug/L	1.0	1		04/30/20 19:14	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/30/20 19:14	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/30/20 19:14	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		04/30/20 19:14	75-00-3	CL
Chloroform	<1.0	ug/L	1.0	1		04/30/20 19:14	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/30/20 19:14	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/30/20 19:14	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/30/20 19:14	75-34-3	L2
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/30/20 19:14	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		04/30/20 19:14	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/30/20 19:14	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/30/20 19:14	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/30/20 19:14	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/30/20 19:14	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		04/30/20 19:14	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		04/30/20 19:14	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		04/30/20 19:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/30/20 19:14	108-10-1	
Styrene	<1.0	ug/L	1.0	1		04/30/20 19:14	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/30/20 19:14	79-34-5	
Tetrachloroethene	5.6	ug/L	1.0	1		04/30/20 19:14	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/30/20 19:14	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/30/20 19:14	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/30/20 19:14	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		04/30/20 19:14	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		04/30/20 19:14	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/30/20 19:14	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	68-153	1		04/30/20 19:14	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		04/30/20 19:14	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		04/30/20 19:14	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	7.5	Std. Units	0.10	1		04/28/20 10:30		H3,H6
Temperature, Water (C)	21.7	deg C	0.10	1		04/28/20 10:30		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN MILT 4/27

Pace Project No.: 70129221

Sample: SYS-INF	Lab ID: 70129221002	Collected: 04/27/20 09:10	Received: 04/27/20 09:19	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	263	ug/L	100	1	04/29/20 10:50	04/30/20 17:39	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		04/30/20 19:34	67-64-1	CL,IC
Benzene	<0.70	ug/L	0.70	1		04/30/20 19:34	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/30/20 19:34	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/30/20 19:34	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/30/20 19:34	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/30/20 19:34	78-93-3	CL
Carbon disulfide	<1.0	ug/L	1.0	1		04/30/20 19:34	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/30/20 19:34	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/30/20 19:34	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		04/30/20 19:34	75-00-3	CL
Chloroform	<1.0	ug/L	1.0	1		04/30/20 19:34	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/30/20 19:34	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/30/20 19:34	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/30/20 19:34	75-34-3	L2
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/30/20 19:34	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		04/30/20 19:34	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/30/20 19:34	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/30/20 19:34	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/30/20 19:34	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/30/20 19:34	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		04/30/20 19:34	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		04/30/20 19:34	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		04/30/20 19:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/30/20 19:34	108-10-1	
Styrene	<1.0	ug/L	1.0	1		04/30/20 19:34	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/30/20 19:34	79-34-5	
Tetrachloroethene	1180	ug/L	20.0	20		04/30/20 19:57	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/30/20 19:34	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/30/20 19:34	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/30/20 19:34	79-00-5	
Trichloroethene	10.7	ug/L	1.0	1		04/30/20 19:34	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		04/30/20 19:34	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/30/20 19:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	68-153	1		04/30/20 19:34	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		04/30/20 19:34	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		04/30/20 19:34	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.1	Std. Units	0.10	1		04/28/20 10:32		H1,H6
Temperature, Water (C)	21.6	deg C	0.10	1		04/28/20 10:32		H1,H6

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT 4/27
Pace Project No.: 70129221

QC Batch: 158686 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70129221001, 70129221002

METHOD BLANK: 764431 Matrix: Water
Associated Lab Samples: 70129221001, 70129221002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	04/30/20 16:34	

LABORATORY CONTROL SAMPLE: 764432

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2040	102	85-115	

MATRIX SPIKE SAMPLE: 764434

Parameter	Units	70129100002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	1420	2000	3540	106	70-130	

MATRIX SPIKE SAMPLE: 764436

Parameter	Units	70129110001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	2000	2080	102	70-130	

SAMPLE DUPLICATE: 764433

Parameter	Units	70129100002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	1420	1410	1	

SAMPLE DUPLICATE: 764435

Parameter	Units	70129110001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

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QUALITY CONTROL DATA

Project: MIN MILT 4/27
Pace Project No.: 70129221

QC Batch: 158883 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70129221001, 70129221002

METHOD BLANK: 765389 Matrix: Water

Associated Lab Samples: 70129221001, 70129221002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/30/20 14:32	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/30/20 14:32	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/30/20 14:32	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/30/20 14:32	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/30/20 14:32	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/30/20 14:32	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	04/30/20 14:32	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/30/20 14:32	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/30/20 14:32	CL
2-Hexanone	ug/L	<5.0	5.0	04/30/20 14:32	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/30/20 14:32	
Acetone	ug/L	<5.0	5.0	04/30/20 14:32	CL,IC
Benzene	ug/L	<0.70	0.70	04/30/20 14:32	
Bromodichloromethane	ug/L	<1.0	1.0	04/30/20 14:32	
Bromoform	ug/L	<1.0	1.0	04/30/20 14:32	
Bromomethane	ug/L	<1.0	1.0	04/30/20 14:32	CL
Carbon disulfide	ug/L	<1.0	1.0	04/30/20 14:32	
Carbon tetrachloride	ug/L	<1.0	1.0	04/30/20 14:32	
Chlorobenzene	ug/L	<1.0	1.0	04/30/20 14:32	
Chloroethane	ug/L	<1.0	1.0	04/30/20 14:32	CL
Chloroform	ug/L	<1.0	1.0	04/30/20 14:32	
Chloromethane	ug/L	<1.0	1.0	04/30/20 14:32	CL
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/30/20 14:32	
Dibromochloromethane	ug/L	<1.0	1.0	04/30/20 14:32	
Ethylbenzene	ug/L	<1.0	1.0	04/30/20 14:32	
Methylene Chloride	ug/L	<1.0	1.0	04/30/20 14:32	
Styrene	ug/L	<1.0	1.0	04/30/20 14:32	
Tetrachloroethene	ug/L	<1.0	1.0	04/30/20 14:32	
Toluene	ug/L	<1.0	1.0	04/30/20 14:32	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/30/20 14:32	
Trichloroethene	ug/L	<1.0	1.0	04/30/20 14:32	
Vinyl chloride	ug/L	<1.0	1.0	04/30/20 14:32	CL
Xylene (Total)	ug/L	<3.0	3.0	04/30/20 14:32	
1,2-Dichloroethane-d4 (S)	%	104	68-153	04/30/20 14:32	
4-Bromofluorobenzene (S)	%	102	79-124	04/30/20 14:32	
Toluene-d8 (S)	%	100	69-124	04/30/20 14:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT 4/27
Pace Project No.: 70129221

LABORATORY CONTROL SAMPLE: 765390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.4	91	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	43.7	87	74-121	
1,1,2-Trichloroethane	ug/L	50	43.8	88	80-117	
1,1-Dichloroethane	ug/L	50	40.3	81	83-151	L2
1,1-Dichloroethene	ug/L	50	36.9	74	45-146	
1,2-Dichloroethane	ug/L	50	40.4	81	74-129	
1,2-Dichloroethene (Total)	ug/L	100	82.4	82	60-140	
1,2-Dichloropropane	ug/L	50	42.9	86	75-117	
2-Butanone (MEK)	ug/L	50	42.4	85	44-162	CL
2-Hexanone	ug/L	50	56.8	114	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	46.9	94	69-132	
Acetone	ug/L	50	35.8	72	23-188	CL,IC
Benzene	ug/L	50	43.8	88	73-119	
Bromodichloromethane	ug/L	50	48.2	96	78-117	
Bromoform	ug/L	50	46.0	92	65-122	
Bromomethane	ug/L	50	26.1	52	52-147	CL
Carbon disulfide	ug/L	50	39.7	79	41-144	
Carbon tetrachloride	ug/L	50	47.7	95	59-120	
Chlorobenzene	ug/L	50	43.8	88	75-113	
Chloroethane	ug/L	50	30.7	61	49-151	CL
Chloroform	ug/L	50	40.6	81	72-122	
Chloromethane	ug/L	50	30.4	61	46-144	CL
cis-1,3-Dichloropropene	ug/L	50	50.6	101	78-116	
Dibromochloromethane	ug/L	50	51.4	103	70-120	
Ethylbenzene	ug/L	50	44.1	88	70-113	
Methylene Chloride	ug/L	50	38.4	77	61-142	
Styrene	ug/L	50	48.8	98	72-118	
Tetrachloroethene	ug/L	50	44.3	89	60-128	
Toluene	ug/L	50	44.1	88	72-119	
trans-1,3-Dichloropropene	ug/L	50	44.3	89	79-116	
Trichloroethene	ug/L	50	43.6	87	69-117	
Vinyl chloride	ug/L	50	31.4	63	43-143	CL
Xylene (Total)	ug/L	150	137	91	71-109	
1,2-Dichloroethane-d4 (S)	%			101	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			99	69-124	

MATRIX SPIKE SAMPLE: 765784

Parameter	Units	70129419001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	45.8	92	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	42.8	86	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	43.9	88	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	42.8	86	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	40.8	81	45-146	

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QUALITY CONTROL DATA

Project: MIN MILT 4/27

Pace Project No.: 70129221

MATRIX SPIKE SAMPLE: 765784

Parameter	Units	70129419001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	42.8	86	74-129	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	87.3	87	60-140	
1,2-Dichloropropane	ug/L	<1.0	50	42.8	86	75-117	
2-Butanone (MEK)	ug/L	<5.0	50	37.3	75	44-162	CL
2-Hexanone	ug/L	<5.0	50	48.5	97	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	47.0	94	69-132	
Acetone	ug/L	<5.0	50	23.4	47	23-188	CL,IC
Benzene	ug/L	<1.0	50	45.4	91	73-119	
Bromodichloromethane	ug/L	<1.0	50	46.0	92	78-117	
Bromoform	ug/L	<1.0	50	42.9	86	65-122	
Bromomethane	ug/L	<1.0	50	24.8	50	52-147	CL,M1
Carbon disulfide	ug/L	<1.0	50	27.4	55	41-144	
Carbon tetrachloride	ug/L	<1.0	50	45.8	92	59-120	
Chlorobenzene	ug/L	<1.0	50	45.3	91	75-113	
Chloroethane	ug/L	<1.0	50	33.0	66	49-151	CL
Chloroform	ug/L	<1.0	50	42.2	84	72-122	
Chloromethane	ug/L	<1.0	50	32.3	65	46-144	CL
cis-1,3-Dichloropropene	ug/L	<1.0	50	47.2	94	78-116	
Dibromochloromethane	ug/L	<1.0	50	48.5	97	70-120	
Ethylbenzene	ug/L	<1.0	50	47.0	94	70-113	
Methylene Chloride	ug/L	<1.0	50	40.2	80	61-142	
Styrene	ug/L	<1.0	50	50.8	102	72-118	
Tetrachloroethene	ug/L	<1.0	50	47.8	96	60-128	
Toluene	ug/L	<1.0	50	45.4	91	72-119	
trans-1,3-Dichloropropene	ug/L	<1.0	50	41.6	83	79-116	
Trichloroethene	ug/L	<1.0	50	45.8	92	69-117	
Vinyl chloride	ug/L	<1.0	50	33.7	67	43-143	CL
Xylene (Total)	ug/L	<3.0	150	145	97	71-109	
1,2-Dichloroethane-d4 (S)	%					101	68-153
4-Bromofluorobenzene (S)	%					105	79-124
Toluene-d8 (S)	%					100	69-124

SAMPLE DUPLICATE: 765783

Parameter	Units	70129221001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	<2.0	<2.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		CL
2-Hexanone	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: MIN MILT 4/27

Pace Project No.: 70129221

SAMPLE DUPLICATE: 765783

Parameter	Units	70129221001 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		CL,IC
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		CL
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		CL
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		CL
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	5.6	5.0	12	
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		CL
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	103	104		
4-Bromofluorobenzene (S)	%	100	99		
Toluene-d8 (S)	%	101	99		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT 4/27

Pace Project No.: 70129221

QC Batch: 158479

Analysis Method: SM22 4500-H+B

QC Batch Method: SM22 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70129221001, 70129221002

SAMPLE DUPLICATE: 763572

Parameter	Units	70129065001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	2.1	2.1	0	H3,H6
Temperature, Water (C)	deg C	21.7	21.7	0	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MIN MILT 4/27

Pace Project No.: 70129221

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN MILT 4/27
Pace Project No.: 70129221

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70129221001	SYS-EFF	EPA 200.7	158686	EPA 200.7	158694
70129221002	SYS-INF	EPA 200.7	158686	EPA 200.7	158694
70129221001	SYS-EFF	EPA 8260C/5030C	158883		
70129221002	SYS-INF	EPA 8260C/5030C	158883		
70129221001	SYS-EFF	SM22 4500-H+B	158479		
70129221002	SYS-INF	SM22 4500-H+B	158479		

REPORT OF LABORATORY ANALYSIS

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WO#: 70129221



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Order Number or ONLY

Company: PW Grosser Consulting
 Address: 630 Schenckle, Bixonia NY1716
 Report To: Kaitlyn Crosby
 Copy To: Kaitlyn Crosby

Billing Information: Same as Client

Email To: Kerosby@pwgrosser.com

Site Collection Info/Address: 540 Smith Street

State: County/City: NY Farmingdale

Time Zone Collected: [] PT [] MT [] CT [] ET

Compliance Monitoring: [] Yes [] No

DW PWS ID #: DW Location Code: Immediately Packed on Ice: [] Yes [] No

Field Filtered (if applicable): [] Yes [] No

Analysis: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Project Name/Number: MinMilH / MFE1001

Site/Facility ID #: []

Purchase Order #: []

Quote #: []

Turnaround Date Required: Standard

Sample Disposal: [] Dispose as appropriate [] Return [] Archive [] Hold: []

Collected By (print): Kaitlyn Crosby

Collected By (signature): [Signature]

Rush: []

Customer Sample ID

Matrix *

Comp / Grab

Collected (or Composite Start) Date Time

Composite End Date Time

Res CI

of Ctns

Wet Blue Dry None

Type of Ice Used: Packing Material Used: Radchem sample(s) screened (<500 cpm): Y N NA

Customer Remarks / Special Conditions / Possible Hazards:

Relinquished by/Company: (Signature) Date/Time: 4-27-2020 0916

Relinquished by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time:

31U
31U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact:	Y	NA
Custody Signatures Present:	Y	NA
Collector Signatures Present:	Y	NA
Bottles Intact:	Y	NA
Correct Bottles:	Y	NA
Sufficient Volume:	Y	NA
Samples Received on Ice:	Y	NA
VOA - Headspace Acceptable:	Y	NA
USDA Regulated Soils:	Y	NA
Samples in Holding Time:	Y	NA
Residual Chlorine Present:	Y	NA
CI Strips:	Y	NA
Sample pH Acceptable:	Y	NA
pH Strips:	Y	NA
Sulfide Present:	Y	NA
Lead Acetate Strips:	Y	NA

LAB USE ONLY:
Lab Sample # / Comments:

Analysises	FEDEX	UPS	Client	Courier	Pace Courier
VOC	X	X			
Tri P	X	X			
HO	X	X			

Lab Sample Temperature info:
 Temp Blank Received: Y N NA
 Therm ID#: 37 Ave 1001
 Cooler 1 Temp Upon Receipt: 39.9 oC
 Cooler 1 Therm Corr. Factor: 0.4 oC
 Cooler 1 Corrected Temp: 39.5 oC
 Comments:

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2510882

Samples received via: FEDEX UPS Client Courier Pace Courier

Table #: MTUL LAB USE ONLY

Acctnum:
Template:
Prelogin:
PM:
PB:

Received by/Company: (Signature) Date/Time: 4-27-2020 0916

Received by/Company: (Signature) Date/Time:

Received by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time: 4-27-2020 0916

Relinquished by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time:

December 28, 2020

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT MONTHLY 12/14
Pace Project No.: 70156581

Dear Kaitlyn Crosby:

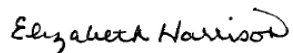
Enclosed are the analytical results for sample(s) received by the laboratory on December 14, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: SYS-EFF	Lab ID: 70156581001	Collected: 12/14/20 14:40	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	23500	ug/L	100	1	12/23/20 12:31	12/28/20 10:17	7439-89-6	M1
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		12/18/20 12:55	67-64-1	IC,L1,v1
Benzene	<0.70	ug/L	0.70	1		12/18/20 12:55	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/18/20 12:55	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		12/18/20 12:55	75-25-2	L1
Bromomethane	<1.0	ug/L	1.0	1		12/18/20 12:55	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/18/20 12:55	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/18/20 12:55	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/18/20 12:55	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/18/20 12:55	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/18/20 12:55	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/18/20 12:55	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/18/20 12:55	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/18/20 12:55	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 12:55	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 12:55	107-06-2	
1,2-Dichloroethene (Total)	4.7	ug/L	2.0	1		12/18/20 12:55	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/18/20 12:55	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/18/20 12:55	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 12:55	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 12:55	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/18/20 12:55	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/18/20 12:55	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		12/18/20 12:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/18/20 12:55	108-10-1	
Styrene	<1.0	ug/L	1.0	1		12/18/20 12:55	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/18/20 12:55	79-34-5	
Tetrachloroethene	4.8	ug/L	1.0	1		12/18/20 12:55	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/18/20 12:55	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 12:55	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 12:55	79-00-5	
Trichloroethene	1.0	ug/L	1.0	1		12/18/20 12:55	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		12/18/20 12:55	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		12/18/20 12:55	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	68-153	1		12/18/20 12:55	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-124	1		12/18/20 12:55	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		12/18/20 12:55	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.9	Std. Units	0.10	1		12/15/20 08:25		H3,H6
Temperature, Water (C)	17.6	deg C	0.10	1		12/15/20 08:25		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: SYS-EFF	Lab ID: 70156581001	Collected: 12/14/20 14:40	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC								
Analytical Method: SM22 5310B								
Pace Analytical Services - Melville								
Total Organic Carbon	2.3	mg/L	1.0	1		12/23/20 21:43	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: SYS-INF	Lab ID: 70156581002	Collected: 12/14/20 14:50	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	8730	ug/L	100	1	12/23/20 12:31	12/28/20 10:28	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<50.0	ug/L	50.0	10		12/18/20 13:14	67-64-1	IC,L1
Benzene	<7.0	ug/L	7.0	10		12/18/20 13:14	71-43-2	
Bromodichloromethane	<10.0	ug/L	10.0	10		12/18/20 13:14	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		12/18/20 13:14	75-25-2	L1
Bromomethane	<10.0	ug/L	10.0	10		12/18/20 13:14	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		12/18/20 13:14	78-93-3	IL,v3
Carbon disulfide	<10.0	ug/L	10.0	10		12/18/20 13:14	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		12/18/20 13:14	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		12/18/20 13:14	108-90-7	
Chloroethane	<10.0	ug/L	10.0	10		12/18/20 13:14	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		12/18/20 13:14	67-66-3	
Chloromethane	<10.0	ug/L	10.0	10		12/18/20 13:14	74-87-3	
Dibromochloromethane	<10.0	ug/L	10.0	10		12/18/20 13:14	124-48-1	
1,1-Dichloroethane	<10.0	ug/L	10.0	10		12/18/20 13:14	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		12/18/20 13:14	107-06-2	
1,2-Dichloroethene (Total)	364	ug/L	20.0	10		12/18/20 13:14	540-59-0	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		12/18/20 13:14	75-35-4	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		12/18/20 13:14	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		12/18/20 13:14	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		12/18/20 13:14	10061-02-6	
Ethylbenzene	<10.0	ug/L	10.0	10		12/18/20 13:14	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		12/18/20 13:14	591-78-6	
Methylene Chloride	<10.0	ug/L	10.0	10		12/18/20 13:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		12/18/20 13:14	108-10-1	
Styrene	<10.0	ug/L	10.0	10		12/18/20 13:14	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		12/18/20 13:14	79-34-5	
Tetrachloroethene	1370	ug/L	10.0	10		12/18/20 13:14	127-18-4	
Toluene	<10.0	ug/L	10.0	10		12/18/20 13:14	108-88-3	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		12/18/20 13:14	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		12/18/20 13:14	79-00-5	
Trichloroethene	228	ug/L	10.0	10		12/18/20 13:14	79-01-6	
Vinyl chloride	<10.0	ug/L	10.0	10		12/18/20 13:14	75-01-4	
Xylene (Total)	<30.0	ug/L	30.0	10		12/18/20 13:14	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	10		12/18/20 13:14	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124	10		12/18/20 13:14	460-00-4	
Toluene-d8 (S)	99	%	69-124	10		12/18/20 13:14	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.1	Std. Units	0.10	1		12/15/20 08:27		H3,H6
Temperature, Water (C)	18.5	deg C	0.10	1		12/15/20 08:27		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: SYS-INF		Lab ID: 70156581002		Collected: 12/14/20 14:50	Received: 12/14/20 15:40	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	2.1	mg/L	1.0	1		12/23/20 21:54	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: MAG	Lab ID: 70156581003	Collected: 12/14/20 15:10	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	5600	ug/L	100	1	12/23/20 12:31	12/28/20 10:43	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<50.0	ug/L	50.0	10		12/18/20 13:34	67-64-1	IC,L1
Benzene	<7.0	ug/L	7.0	10		12/18/20 13:34	71-43-2	
Bromodichloromethane	<10.0	ug/L	10.0	10		12/18/20 13:34	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		12/18/20 13:34	75-25-2	L1
Bromomethane	<10.0	ug/L	10.0	10		12/18/20 13:34	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		12/18/20 13:34	78-93-3	IL,v3
Carbon disulfide	<10.0	ug/L	10.0	10		12/18/20 13:34	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		12/18/20 13:34	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		12/18/20 13:34	108-90-7	
Chloroethane	<10.0	ug/L	10.0	10		12/18/20 13:34	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		12/18/20 13:34	67-66-3	
Chloromethane	<10.0	ug/L	10.0	10		12/18/20 13:34	74-87-3	
Dibromochloromethane	<10.0	ug/L	10.0	10		12/18/20 13:34	124-48-1	
1,1-Dichloroethane	<10.0	ug/L	10.0	10		12/18/20 13:34	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		12/18/20 13:34	107-06-2	
1,2-Dichloroethene (Total)	282	ug/L	20.0	10		12/18/20 13:34	540-59-0	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		12/18/20 13:34	75-35-4	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		12/18/20 13:34	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		12/18/20 13:34	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		12/18/20 13:34	10061-02-6	
Ethylbenzene	<10.0	ug/L	10.0	10		12/18/20 13:34	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		12/18/20 13:34	591-78-6	
Methylene Chloride	<10.0	ug/L	10.0	10		12/18/20 13:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		12/18/20 13:34	108-10-1	
Styrene	<10.0	ug/L	10.0	10		12/18/20 13:34	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		12/18/20 13:34	79-34-5	
Tetrachloroethene	901	ug/L	10.0	10		12/18/20 13:34	127-18-4	
Toluene	<10.0	ug/L	10.0	10		12/18/20 13:34	108-88-3	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		12/18/20 13:34	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		12/18/20 13:34	79-00-5	
Trichloroethene	92.7	ug/L	10.0	10		12/18/20 13:34	79-01-6	
Vinyl chloride	<10.0	ug/L	10.0	10		12/18/20 13:34	75-01-4	
Xylene (Total)	<30.0	ug/L	30.0	10		12/18/20 13:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	68-153	10		12/18/20 13:34	17060-07-0	
4-Bromofluorobenzene (S)	91	%	79-124	10		12/18/20 13:34	460-00-4	
Toluene-d8 (S)	99	%	69-124	10		12/18/20 13:34	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.2	Std. Units	0.10	1		12/15/20 08:34		H3,H6
Temperature, Water (C)	19.8	deg C	0.10	1		12/15/20 08:34		H3,H6

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: MAG		Lab ID: 70156581003	Collected: 12/14/20 15:10	Received: 12/14/20 15:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	1.8	mg/L	1.0	1		12/28/20 10:17	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: UG	Lab ID: 70156581004	Collected: 12/14/20 15:00	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	11600	ug/L	100	1	12/23/20 12:31	12/28/20 10:45	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<100	ug/L	100	20		12/18/20 16:13	67-64-1	IC,L1
Benzene	<14.0	ug/L	14.0	20		12/18/20 16:13	71-43-2	
Bromodichloromethane	<20.0	ug/L	20.0	20		12/18/20 16:13	75-27-4	
Bromoform	<20.0	ug/L	20.0	20		12/18/20 16:13	75-25-2	L1
Bromomethane	<20.0	ug/L	20.0	20		12/18/20 16:13	74-83-9	
2-Butanone (MEK)	<100	ug/L	100	20		12/18/20 16:13	78-93-3	IL,v3
Carbon disulfide	<20.0	ug/L	20.0	20		12/18/20 16:13	75-15-0	
Carbon tetrachloride	<20.0	ug/L	20.0	20		12/18/20 16:13	56-23-5	
Chlorobenzene	<20.0	ug/L	20.0	20		12/18/20 16:13	108-90-7	
Chloroethane	<20.0	ug/L	20.0	20		12/18/20 16:13	75-00-3	
Chloroform	<20.0	ug/L	20.0	20		12/18/20 16:13	67-66-3	
Chloromethane	<20.0	ug/L	20.0	20		12/18/20 16:13	74-87-3	
Dibromochloromethane	<20.0	ug/L	20.0	20		12/18/20 16:13	124-48-1	
1,1-Dichloroethane	<20.0	ug/L	20.0	20		12/18/20 16:13	75-34-3	
1,2-Dichloroethane	<20.0	ug/L	20.0	20		12/18/20 16:13	107-06-2	
1,2-Dichloroethene (Total)	450	ug/L	40.0	20		12/18/20 16:13	540-59-0	
1,1-Dichloroethene	<20.0	ug/L	20.0	20		12/18/20 16:13	75-35-4	
1,2-Dichloropropane	<20.0	ug/L	20.0	20		12/18/20 16:13	78-87-5	
cis-1,3-Dichloropropene	<20.0	ug/L	20.0	20		12/18/20 16:13	10061-01-5	
trans-1,3-Dichloropropene	<20.0	ug/L	20.0	20		12/18/20 16:13	10061-02-6	
Ethylbenzene	<20.0	ug/L	20.0	20		12/18/20 16:13	100-41-4	
2-Hexanone	<100	ug/L	100	20		12/18/20 16:13	591-78-6	
Methylene Chloride	<20.0	ug/L	20.0	20		12/18/20 16:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	<100	ug/L	100	20		12/18/20 16:13	108-10-1	
Styrene	<20.0	ug/L	20.0	20		12/18/20 16:13	100-42-5	
1,1,1,2-Tetrachloroethane	<20.0	ug/L	20.0	20		12/18/20 16:13	79-34-5	
Tetrachloroethene	1880	ug/L	20.0	20		12/18/20 16:13	127-18-4	
Toluene	<20.0	ug/L	20.0	20		12/18/20 16:13	108-88-3	
1,1,1-Trichloroethane	<20.0	ug/L	20.0	20		12/18/20 16:13	71-55-6	
1,1,2-Trichloroethane	<20.0	ug/L	20.0	20		12/18/20 16:13	79-00-5	
Trichloroethene	399	ug/L	20.0	20		12/18/20 16:13	79-01-6	
Vinyl chloride	<20.0	ug/L	20.0	20		12/18/20 16:13	75-01-4	
Xylene (Total)	<60.0	ug/L	60.0	20		12/18/20 16:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	68-153	20		12/18/20 16:13	17060-07-0	
4-Bromofluorobenzene (S)	88	%	79-124	20		12/18/20 16:13	460-00-4	
Toluene-d8 (S)	94	%	69-124	20		12/18/20 16:13	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.2	Std. Units	0.10	1		12/15/20 08:28		H3,H6
Temperature, Water (C)	19.5	deg C	0.10	1		12/15/20 08:28		H3,H6

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: UG	Lab ID: 70156581004	Collected: 12/14/20 15:00	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	2.5	mg/L	1.0	1		12/28/20 10:39	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: MW-8	Lab ID: 70156581005	Collected: 12/14/20 10:50	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/18/20 14:12	67-64-1	IC,L1,v1
Benzene	<0.70	ug/L	0.70	1		12/18/20 14:12	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/18/20 14:12	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		12/18/20 14:12	75-25-2	L1
Bromomethane	<1.0	ug/L	1.0	1		12/18/20 14:12	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/18/20 14:12	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/18/20 14:12	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/18/20 14:12	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/18/20 14:12	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/18/20 14:12	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/18/20 14:12	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/18/20 14:12	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/18/20 14:12	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:12	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:12	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		12/18/20 14:12	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/18/20 14:12	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/18/20 14:12	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 14:12	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 14:12	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/18/20 14:12	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/18/20 14:12	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		12/18/20 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/18/20 14:12	108-10-1	
Styrene	<1.0	ug/L	1.0	1		12/18/20 14:12	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/18/20 14:12	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/18/20 14:12	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/18/20 14:12	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:12	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:12	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/18/20 14:12	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		12/18/20 14:12	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		12/18/20 14:12	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	68-153	1		12/18/20 14:12	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-124	1		12/18/20 14:12	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/18/20 14:12	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	8.3	mg/L	1.0	1		12/28/20 11:24	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: MW-9	Lab ID: 70156581006	Collected: 12/14/20 09:50	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	5.4	ug/L	5.0	1		12/18/20 14:31	67-64-1	IC,L1,v1
Benzene	<0.70	ug/L	0.70	1		12/18/20 14:31	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/18/20 14:31	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		12/18/20 14:31	75-25-2	L1
Bromomethane	<1.0	ug/L	1.0	1		12/18/20 14:31	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/18/20 14:31	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/18/20 14:31	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/18/20 14:31	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/18/20 14:31	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/18/20 14:31	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/18/20 14:31	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/18/20 14:31	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/18/20 14:31	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:31	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:31	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		12/18/20 14:31	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/18/20 14:31	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/18/20 14:31	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 14:31	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 14:31	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/18/20 14:31	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/18/20 14:31	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		12/18/20 14:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/18/20 14:31	108-10-1	
Styrene	<1.0	ug/L	1.0	1		12/18/20 14:31	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/18/20 14:31	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/18/20 14:31	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/18/20 14:31	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:31	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:31	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/18/20 14:31	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		12/18/20 14:31	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		12/18/20 14:31	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		12/18/20 14:31	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	1		12/18/20 14:31	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/18/20 14:31	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	12.3	mg/L	5.0	5		12/28/20 11:34	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: ML-1A	Lab ID: 70156581007	Collected: 12/14/20 11:50	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/18/20 14:50	67-64-1	IC,L1
Benzene	<0.70	ug/L	0.70	1		12/18/20 14:50	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/18/20 14:50	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		12/18/20 14:50	75-25-2	L1
Bromomethane	<1.0	ug/L	1.0	1		12/18/20 14:50	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/18/20 14:50	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/18/20 14:50	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/18/20 14:50	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/18/20 14:50	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/18/20 14:50	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/18/20 14:50	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/18/20 14:50	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/18/20 14:50	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:50	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:50	107-06-2	
1,2-Dichloroethene (Total)	2.2	ug/L	2.0	1		12/18/20 14:50	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/18/20 14:50	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/18/20 14:50	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 14:50	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 14:50	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/18/20 14:50	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/18/20 14:50	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		12/18/20 14:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/18/20 14:50	108-10-1	
Styrene	<1.0	ug/L	1.0	1		12/18/20 14:50	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/18/20 14:50	79-34-5	
Tetrachloroethene	2.4	ug/L	1.0	1		12/18/20 14:50	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/18/20 14:50	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:50	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 14:50	79-00-5	
Trichloroethene	6.1	ug/L	1.0	1		12/18/20 14:50	79-01-6	
Vinyl chloride	10	ug/L	1.0	1		12/18/20 14:50	75-01-4	IH
Xylene (Total)	<3.0	ug/L	3.0	1		12/18/20 14:50	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	68-153	1		12/18/20 14:50	17060-07-0	
4-Bromofluorobenzene (S)	91	%	79-124	1		12/18/20 14:50	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		12/18/20 14:50	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	3.1	mg/L	1.0	1		12/28/20 12:09	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: ML-1B	Lab ID: 70156581008	Collected: 12/14/20 12:00	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/18/20 15:10	67-64-1	IC,L1
Benzene	<0.70	ug/L	0.70	1		12/18/20 15:10	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/18/20 15:10	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		12/18/20 15:10	75-25-2	L1
Bromomethane	<1.0	ug/L	1.0	1		12/18/20 15:10	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/18/20 15:10	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/18/20 15:10	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/18/20 15:10	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/18/20 15:10	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/18/20 15:10	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/18/20 15:10	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/18/20 15:10	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/18/20 15:10	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 15:10	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 15:10	107-06-2	
1,2-Dichloroethene (Total)	3.0	ug/L	2.0	1		12/18/20 15:10	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/18/20 15:10	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/18/20 15:10	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 15:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 15:10	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/18/20 15:10	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/18/20 15:10	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		12/18/20 15:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/18/20 15:10	108-10-1	
Styrene	<1.0	ug/L	1.0	1		12/18/20 15:10	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/18/20 15:10	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/18/20 15:10	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/18/20 15:10	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 15:10	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 15:10	79-00-5	
Trichloroethene	3.4	ug/L	1.0	1		12/18/20 15:10	79-01-6	
Vinyl chloride	9.3	ug/L	1.0	1		12/18/20 15:10	75-01-4	IH
Xylene (Total)	<3.0	ug/L	3.0	1		12/18/20 15:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		12/18/20 15:10	17060-07-0	
4-Bromofluorobenzene (S)	86	%	79-124	1		12/18/20 15:10	460-00-4	
Toluene-d8 (S)	91	%	69-124	1		12/18/20 15:10	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	1.9	mg/L	1.0	1		12/28/20 12:20	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: ML-1F	Lab ID: 70156581009	Collected: 12/14/20 12:10	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/18/20 16:32	67-64-1	IC,L1
Benzene	<0.70	ug/L	0.70	1		12/18/20 16:32	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/18/20 16:32	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		12/18/20 16:32	75-25-2	L1
Bromomethane	<1.0	ug/L	1.0	1		12/18/20 16:32	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/18/20 16:32	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/18/20 16:32	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/18/20 16:32	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/18/20 16:32	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/18/20 16:32	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/18/20 16:32	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/18/20 16:32	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/18/20 16:32	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 16:32	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 16:32	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		12/18/20 16:32	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/18/20 16:32	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/18/20 16:32	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 16:32	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 16:32	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/18/20 16:32	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/18/20 16:32	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		12/18/20 16:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/18/20 16:32	108-10-1	
Styrene	<1.0	ug/L	1.0	1		12/18/20 16:32	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/18/20 16:32	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/18/20 16:32	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/18/20 16:32	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 16:32	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 16:32	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/18/20 16:32	79-01-6	
Vinyl chloride	10	ug/L	1.0	1		12/18/20 16:32	75-01-4	IH
Xylene (Total)	<3.0	ug/L	3.0	1		12/18/20 16:32	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	68-153	1		12/18/20 16:32	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-124	1		12/18/20 16:32	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		12/18/20 16:32	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	3.6	mg/L	1.0	1		12/28/20 12:31	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Sample: ML-1G	Lab ID: 70156581010	Collected: 12/14/20 12:20	Received: 12/14/20 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		12/18/20 16:51	67-64-1	IC,L1
Benzene	<0.70	ug/L	0.70	1		12/18/20 16:51	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/18/20 16:51	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		12/18/20 16:51	75-25-2	L1
Bromomethane	<1.0	ug/L	1.0	1		12/18/20 16:51	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/18/20 16:51	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		12/18/20 16:51	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/18/20 16:51	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/18/20 16:51	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		12/18/20 16:51	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/18/20 16:51	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/18/20 16:51	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/18/20 16:51	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 16:51	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/18/20 16:51	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		12/18/20 16:51	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/18/20 16:51	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/18/20 16:51	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 16:51	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/18/20 16:51	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		12/18/20 16:51	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		12/18/20 16:51	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		12/18/20 16:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/18/20 16:51	108-10-1	
Styrene	<1.0	ug/L	1.0	1		12/18/20 16:51	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/18/20 16:51	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/18/20 16:51	127-18-4	
Toluene	<1.0	ug/L	1.0	1		12/18/20 16:51	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 16:51	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/18/20 16:51	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		12/18/20 16:51	79-01-6	
Vinyl chloride	3.1	ug/L	1.0	1		12/18/20 16:51	75-01-4	IH
Xylene (Total)	<3.0	ug/L	3.0	1		12/18/20 16:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	68-153	1		12/18/20 16:51	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-124	1		12/18/20 16:51	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		12/18/20 16:51	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	2.0	mg/L	1.0	1		12/28/20 12:42	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 12/14
Pace Project No.: 70156581

QC Batch: 190753 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70156581001, 70156581002, 70156581003, 70156581004

METHOD BLANK: 935647 Matrix: Water
Associated Lab Samples: 70156581001, 70156581002, 70156581003, 70156581004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	12/28/20 10:10	

LABORATORY CONTROL SAMPLE: 935648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	1990	100	85-115	

MATRIX SPIKE SAMPLE: 935650

Parameter	Units	70156581001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	23500	2000	24800	68	70-130	M1

MATRIX SPIKE SAMPLE: 935652

Parameter	Units	70156581002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	8730	2000	10300	79	70-130	

SAMPLE DUPLICATE: 935649

Parameter	Units	70156581001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	23500	24700	5	

SAMPLE DUPLICATE: 935651

Parameter	Units	70156581002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	8730	8450	3	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 12/14
Pace Project No.: 70156581

QC Batch: 190124 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70156581001, 70156581002, 70156581003, 70156581004, 70156581005, 70156581006, 70156581007, 70156581008, 70156581009, 70156581010

METHOD BLANK: 933167 Matrix: Water
Associated Lab Samples: 70156581001, 70156581002, 70156581003, 70156581004, 70156581005, 70156581006, 70156581007, 70156581008, 70156581009, 70156581010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/18/20 11:08	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/18/20 11:08	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/18/20 11:08	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/18/20 11:08	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/18/20 11:08	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/18/20 11:08	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	12/18/20 11:08	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/18/20 11:08	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/18/20 11:08	IL,v3
2-Hexanone	ug/L	<5.0	5.0	12/18/20 11:08	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/18/20 11:08	
Acetone	ug/L	<5.0	5.0	12/18/20 11:08	IC
Benzene	ug/L	<0.70	0.70	12/18/20 11:08	
Bromodichloromethane	ug/L	<1.0	1.0	12/18/20 11:08	
Bromoform	ug/L	<1.0	1.0	12/18/20 11:08	
Bromomethane	ug/L	<1.0	1.0	12/18/20 11:08	
Carbon disulfide	ug/L	<1.0	1.0	12/18/20 11:08	
Carbon tetrachloride	ug/L	<1.0	1.0	12/18/20 11:08	
Chlorobenzene	ug/L	<1.0	1.0	12/18/20 11:08	
Chloroethane	ug/L	<1.0	1.0	12/18/20 11:08	
Chloroform	ug/L	<1.0	1.0	12/18/20 11:08	
Chloromethane	ug/L	<1.0	1.0	12/18/20 11:08	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/18/20 11:08	
Dibromochloromethane	ug/L	<1.0	1.0	12/18/20 11:08	
Ethylbenzene	ug/L	<1.0	1.0	12/18/20 11:08	
Methylene Chloride	ug/L	<1.0	1.0	12/18/20 11:08	
Styrene	ug/L	<1.0	1.0	12/18/20 11:08	
Tetrachloroethene	ug/L	<1.0	1.0	12/18/20 11:08	
Toluene	ug/L	<1.0	1.0	12/18/20 11:08	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/18/20 11:08	
Trichloroethene	ug/L	<1.0	1.0	12/18/20 11:08	
Vinyl chloride	ug/L	<1.0	1.0	12/18/20 11:08	
Xylene (Total)	ug/L	<3.0	3.0	12/18/20 11:08	
1,2-Dichloroethane-d4 (S)	%	97	68-153	12/18/20 11:08	
4-Bromofluorobenzene (S)	%	91	79-124	12/18/20 11:08	
Toluene-d8 (S)	%	98	69-124	12/18/20 11:08	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

LABORATORY CONTROL SAMPLE: 933168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.4	89	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	55.1	110	74-121	
1,1,2-Trichloroethane	ug/L	50	55.1	110	80-117	
1,1-Dichloroethane	ug/L	50	51.5	103	83-151	
1,1-Dichloroethene	ug/L	50	45.5	91	45-146	
1,2-Dichloroethane	ug/L	50	54.2	108	74-129	
1,2-Dichloroethene (Total)	ug/L	100	98.1	98	60-140	
1,2-Dichloropropane	ug/L	50	55.0	110	75-117	
2-Butanone (MEK)	ug/L	50	37.2	74	44-162	IL,v3
2-Hexanone	ug/L	50	60.2	120	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	62.8	126	69-132	
Acetone	ug/L	50	95.4	191	23-188	IC,L1,v1
Benzene	ug/L	50	52.0	104	73-119	
Bromodichloromethane	ug/L	50	53.3	107	78-117	
Bromoform	ug/L	50	62.0	124	65-122	L1,v1
Bromomethane	ug/L	50	67.6	135	52-147	IH,v1
Carbon disulfide	ug/L	50	42.0	84	41-144	
Carbon tetrachloride	ug/L	50	45.2	90	59-120	
Chlorobenzene	ug/L	50	54.4	109	75-113	
Chloroethane	ug/L	50	50.1	100	49-151	
Chloroform	ug/L	50	50.9	102	72-122	
Chloromethane	ug/L	50	45.2	90	46-144	
cis-1,3-Dichloropropene	ug/L	50	49.8	100	78-116	
Dibromochloromethane	ug/L	50	57.3	115	70-120	
Ethylbenzene	ug/L	50	51.3	103	70-113	
Methylene Chloride	ug/L	50	50.7	101	61-142	
Styrene	ug/L	50	51.2	102	72-118	
Tetrachloroethene	ug/L	50	52.1	104	60-128	
Toluene	ug/L	50	53.0	106	72-119	
trans-1,3-Dichloropropene	ug/L	50	46.5	93	79-116	
Trichloroethene	ug/L	50	49.6	99	69-117	
Vinyl chloride	ug/L	50	53.2	106	43-143	IH
Xylene (Total)	ug/L	150	159	106	71-109	
1,2-Dichloroethane-d4 (S)	%			98	68-153	
4-Bromofluorobenzene (S)	%			93	79-124	
Toluene-d8 (S)	%			99	69-124	

MATRIX SPIKE SAMPLE: 933483

Parameter	Units	70156751001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	42.0	84	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	48.4	97	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	48.0	96	80-117	
1,1-Dichloroethane	ug/L	5.4	50	57.9	105	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	47.6	95	45-146	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 12/14
Pace Project No.: 70156581

MATRIX SPIKE SAMPLE: 933483		70156751001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	52.5	105	74-129	
1,2-Dichloroethene (Total)	ug/L	8.3	100	110	101	60-140	
1,2-Dichloropropane	ug/L	<1.0	50	51.7	103	75-117	
2-Butanone (MEK)	ug/L	<5.0	50	33.4	67	44-162	IL,v3
2-Hexanone	ug/L	<5.0	50	50.1	100	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	49.9	100	69-132	
Acetone	ug/L	<5.0	50	69.7	139	23-188	IC,v1
Benzene	ug/L	0.64J	50	48.5	96	73-119	
Bromodichloromethane	ug/L	<1.0	50	48.5	97	78-117	
Bromoform	ug/L	<1.0	50	53.4	107	65-122	v1
Bromomethane	ug/L	<1.0	50	49.9	100	52-147	IH,v1
Carbon disulfide	ug/L	<1.0	50	43.6	87	41-144	
Carbon tetrachloride	ug/L	<1.0	50	46.4	93	59-120	
Chlorobenzene	ug/L	1.5	50	52.9	103	75-113	
Chloroethane	ug/L	<1.0	50	50.3	101	49-151	
Chloroform	ug/L	<1.0	50	50.9	102	72-122	
Chloromethane	ug/L	<1.0	50	38.1	76	46-144	
cis-1,3-Dichloropropene	ug/L	<1.0	50	42.4	85	78-116	
Dibromochloromethane	ug/L	<1.0	50	52.0	104	70-120	
Ethylbenzene	ug/L	<1.0	50	50.7	101	70-113	
Methylene Chloride	ug/L	<1.0	50	49.1	98	61-142	
Styrene	ug/L	<1.0	50	48.1	96	72-118	
Tetrachloroethene	ug/L	2.9	50	54.9	104	60-128	
Toluene	ug/L	<1.0	50	48.6	97	72-119	
trans-1,3-Dichloropropene	ug/L	<1.0	50	38.1	76	79-116	M1
Trichloroethene	ug/L	2.2	50	51.0	98	69-117	
Vinyl chloride	ug/L	3.2	50	53.2	100	43-143	IH
Xylene (Total)	ug/L	<3.0	150	152	102	71-109	
1,2-Dichloroethane-d4 (S)	%				90	68-153	
4-Bromofluorobenzene (S)	%				92	79-124	
Toluene-d8 (S)	%				97	69-124	

SAMPLE DUPLICATE: 934065

Parameter	Units	70156581004	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/L	<20.0	<10.0		
1,1,2,2-Tetrachloroethane	ug/L	<20.0	<10.0		
1,1,2-Trichloroethane	ug/L	<20.0	<10.0		
1,1-Dichloroethane	ug/L	<20.0	<10.0		
1,1-Dichloroethene	ug/L	<20.0	<10.0		
1,2-Dichloroethane	ug/L	<20.0	<10.0		
1,2-Dichloroethene (Total)	ug/L	450	467	4	
1,2-Dichloropropane	ug/L	<20.0	<10.0		
2-Butanone (MEK)	ug/L	<100	<50.0		IL,v3
2-Hexanone	ug/L	<100	<50.0		

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

SAMPLE DUPLICATE: 934065

Parameter	Units	70156581004 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<100	<50.0		
Acetone	ug/L	<100	<50.0		IC
Benzene	ug/L	<14.0	<7.0		
Bromodichloromethane	ug/L	<20.0	<10.0		
Bromoform	ug/L	<20.0	<10.0		
Bromomethane	ug/L	<20.0	<10.0		
Carbon disulfide	ug/L	<20.0	<10.0		
Carbon tetrachloride	ug/L	<20.0	<10.0		
Chlorobenzene	ug/L	<20.0	<10.0		
Chloroethane	ug/L	<20.0	<10.0		
Chloroform	ug/L	<20.0	<10.0		
Chloromethane	ug/L	<20.0	<10.0		
cis-1,3-Dichloropropene	ug/L	<20.0	<10.0		
Dibromochloromethane	ug/L	<20.0	<10.0		
Ethylbenzene	ug/L	<20.0	<10.0		
Methylene Chloride	ug/L	<20.0	<10.0		
Styrene	ug/L	<20.0	<10.0		
Tetrachloroethene	ug/L	1880	2280		19 E
Toluene	ug/L	<20.0	<10.0		
trans-1,3-Dichloropropene	ug/L	<20.0	<10.0		
Trichloroethene	ug/L	399	429		7
Vinyl chloride	ug/L	<20.0	<10.0		
Xylene (Total)	ug/L	<60.0	<30.0		
1,2-Dichloroethane-d4 (S)	%	98	98		
4-Bromofluorobenzene (S)	%	88	96		
Toluene-d8 (S)	%	94	99		

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

QC Batch: 189555

Analysis Method: SM22 4500-H+B

QC Batch Method: SM22 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70156581001, 70156581002, 70156581003, 70156581004

SAMPLE DUPLICATE: 930676

Parameter	Units	70156562001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.1	7.2		1 H3,H6
Temperature, Water (C)	deg C	15.8	16.3		3 H3,H6

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

QC Batch: 190657

Analysis Method: SM22 5310B

QC Batch Method: SM22 5310B

Analysis Description: 5310B TOC

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70156581001, 70156581002

METHOD BLANK: 935459

Matrix: Water

Associated Lab Samples: 70156581001, 70156581002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	12/23/20 18:39	

LABORATORY CONTROL SAMPLE: 935460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.4	94	85-115	

MATRIX SPIKE SAMPLE: 935462

Parameter	Units	70156400001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L		2.3	10	11.1	89	75-125

SAMPLE DUPLICATE: 935461

Parameter	Units	70156363002 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

QC Batch: 190849

Analysis Method: SM22 5310B

QC Batch Method: SM22 5310B

Analysis Description: 5310B TOC

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70156581003, 70156581004, 70156581005, 70156581006, 70156581007, 70156581008, 70156581009, 70156581010

METHOD BLANK: 936175

Matrix: Water

Associated Lab Samples: 70156581003, 70156581004, 70156581005, 70156581006, 70156581007, 70156581008, 70156581009, 70156581010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	12/28/20 09:54	

LABORATORY CONTROL SAMPLE: 936176

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.5	95	85-115	

MATRIX SPIKE SAMPLE: 936178

Parameter	Units	70156581004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	10	11.6	91	75-125	

SAMPLE DUPLICATE: 936177

Parameter	Units	70156581003 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	1.8	1.7	3	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT MONTHLY 12/14

Pace Project No.: 70156581

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70156581001	SYS-EFF	EPA 200.7	190753	EPA 200.7	190756
70156581002	SYS-INF	EPA 200.7	190753	EPA 200.7	190756
70156581003	MAG	EPA 200.7	190753	EPA 200.7	190756
70156581004	UG	EPA 200.7	190753	EPA 200.7	190756
70156581001	SYS-EFF	EPA 8260C/5030C	190124		
70156581002	SYS-INF	EPA 8260C/5030C	190124		
70156581003	MAG	EPA 8260C/5030C	190124		
70156581004	UG	EPA 8260C/5030C	190124		
70156581005	MW-8	EPA 8260C/5030C	190124		
70156581006	MW-9	EPA 8260C/5030C	190124		
70156581007	ML-1A	EPA 8260C/5030C	190124		
70156581008	ML-1B	EPA 8260C/5030C	190124		
70156581009	ML-1F	EPA 8260C/5030C	190124		
70156581010	ML-1G	EPA 8260C/5030C	190124		
70156581001	SYS-EFF	SM22 4500-H+B	189555		
70156581002	SYS-INF	SM22 4500-H+B	189555		
70156581003	MAG	SM22 4500-H+B	189555		
70156581004	UG	SM22 4500-H+B	189555		
70156581001	SYS-EFF	SM22 5310B	190657		
70156581002	SYS-INF	SM22 5310B	190657		
70156581003	MAG	SM22 5310B	190849		
70156581004	UG	SM22 5310B	190849		
70156581005	MW-8	SM22 5310B	190849		
70156581006	MW-9	SM22 5310B	190849		
70156581007	ML-1A	SM22 5310B	190849		
70156581008	ML-1B	SM22 5310B	190849		
70156581009	ML-1F	SM22 5310B	190849		
70156581010	ML-1G	SM22 5310B	190849		

REPORT OF LABORATORY ANALYSIS

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WO#: 70156581

70156581

CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must

Section A
 Required Client Information:
 Company: P.W. Grosser Engineer & Hydrogeologist
 Address: 630 Johnson Avenue
 Bohemia, NY 11716
 Email: krosby@pwgrosser.com
 Phone: (631) 589-6353 Fax: [blank]
 Requested Due Date: Standard

Section B
 Required Project Information:
 Report To: Kaitlyn Crosby
 Copy To: [blank]
 Purchase Order #: [blank]
 Project Name: MINMILT MONTHLY
 Project #: MT-A100

Section C
 Invoice Information:
 Attention: Same as client
 Company Name: [blank]
 Address: [blank]
 Pace Quote: [blank]
 Pace Project Manager: bely.harrison@pacelabs.com
 Pace Profile #: 5392

Regulatory Agency: [blank]
 State / Location: NY

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	# OF CONTAINERS	Preservatives										Analyses Test Y/N	Requested Analysis Filtered (Y/N)	TEMP in C	Received on (Y/N)	Custody (Y/N)	Sealed Cooler (Y/N)	Samples In tact (Y/N)										
				START DATE	END TIME			H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	200.7 ICP Metals	4500H+B pH	8260 Full List								TOC									
1	SYS-EFF	DW	WT	12-14-20	1440	G	6	X	X	X							X	X	X	X														
2	SYS-INF	WW	WT		1450												X	X	X	X														
3	MAG	WP	WT		1510												X	X	X	X														
4	UG	WP	WT		1500												X	X	X	X														
5	MW-8	WP	WT		1050		4	X									X	X	X	X														
6	MW-9	WP	WT		0950		3	X									X	X	X	X														
7	ML-1A	WP	WT		1150		4	X									X	X	X	X														
8	ML-1A	WP	WT		1200			X									X	X	X	X														
9	ML-1B	WP	WT		1210			X									X	X	X	X														
10	ML-1F	WP	WT		1220			X									X	X	X	X														
11	ML-1G	WP	WT														X	X	X	X														
12																																		

ADDITIONAL COMMENTS
 PWG-C
 12-14-20 1540
 12-14-20 15:40
 12/14/2020

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Kaitlyn Crosby
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed: 12/14/2020



Sample Condition Upon Receipt

WO#: 70156581

Due Date: 12/29/20

PM: EMH

CLIENT: PWG

Client Name:

Project #

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor:

Cooler Temperature: 7.8 Cooler Temperature Corrected: 7.6

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Temperature Blank Present: Yes No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: HCR 12/14/20

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No

Did samples originate from a foreign source including Hawaii and Puerto Rico? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

Table with 17 numbered rows for Chain of Custody, Sample Labels, and Analysis. Includes checkboxes for 'Yes', 'No', and 'N/A'. Handwritten notes include '12/14' and 'HC904495'.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

January 21, 2021

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN MILT
Pace Project No.: 70159443

Dear Kaitlyn Crosby:

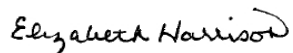
Enclosed are the analytical results for sample(s) received by the laboratory on January 14, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN MILT

Pace Project No.: 70159443

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: SYS-EFF	Lab ID: 70159443001	Collected: 01/14/21 11:00	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	11400	ug/L	100	1	01/15/21 10:48	01/19/21 11:25	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/18/21 23:20	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/18/21 23:20	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/18/21 23:20	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/18/21 23:20	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/18/21 23:20	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/18/21 23:20	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/18/21 23:20	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/18/21 23:20	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		01/18/21 23:20	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/18/21 23:20	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/18/21 23:20	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/18/21 23:20	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	107-06-2	
1,2-Dichloroethene (Total)	6.0	ug/L	2.0	1		01/18/21 23:20	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:20	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/18/21 23:20	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:20	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:20	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/18/21 23:20	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/18/21 23:20	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/18/21 23:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/18/21 23:20	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/18/21 23:20	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	79-34-5	
Tetrachloroethene	6.2	ug/L	1.0	1		01/18/21 23:20	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/18/21 23:20	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:20	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:20	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/18/21 23:20	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/18/21 23:20	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	70-123	1		01/18/21 23:20	17060-07-0	
4-Bromofluorobenzene (S)	90	%	66-119	1		01/18/21 23:20	460-00-4	
Toluene-d8 (S)	99	%	82-121	1		01/18/21 23:20	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	7.1	Std. Units	0.10	1		01/15/21 12:14		H3,H6
Temperature, Water (C)	20.1	deg C	0.10	1		01/15/21 12:14		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: SYS-EFF	Lab ID: 70159443001	Collected: 01/14/21 11:00	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC								
Analytical Method: SM22 5310B								
Pace Analytical Services - Melville								
Total Organic Carbon	2.0	mg/L	1.0	1		01/15/21 16:50	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: SYS-INF	Lab ID: 70159443002	Collected: 01/14/21 11:10	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	8730	ug/L	100	1	01/15/21 10:48	01/19/21 11:27	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 12:52	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 12:52	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 12:52	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 12:52	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 12:52	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 12:52	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 12:52	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 12:52	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 12:52	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 12:52	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 12:52	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 12:52	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	107-06-2	
1,2-Dichloroethene (Total)	457	ug/L	20.0	10		01/15/21 13:19	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 12:52	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 12:52	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 12:52	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 12:52	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 12:52	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 12:52	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 12:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 12:52	108-10-1	L1
Styrene	<1.0	ug/L	1.0	1		01/15/21 12:52	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	79-34-5	
Tetrachloroethene	1240	ug/L	10.0	10		01/15/21 13:19	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 12:52	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:52	79-00-5	
Trichloroethene	321	ug/L	10.0	10		01/15/21 13:19	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/15/21 12:52	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 12:52	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-123	1		01/15/21 12:52	17060-07-0	
4-Bromofluorobenzene (S)	93	%	66-119	1		01/15/21 12:52	460-00-4	
Toluene-d8 (S)	98	%	82-121	1		01/15/21 12:52	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	6.0	Std. Units	0.10	1		01/15/21 12:20		H3,H6
Temperature, Water (C)	20.0	deg C	0.10	1		01/15/21 12:20		H3,H6

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: SYS-INF		Lab ID: 70159443002	Collected: 01/14/21 11:10	Received: 01/14/21 12:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	2.0	mg/L	1.0	1		01/15/21 17:35	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: MAG		Lab ID: 70159443003	Collected: 01/14/21 11:30	Received: 01/14/21 12:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	5320	ug/L	100	1	01/18/21 10:51	01/20/21 11:45	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 12:06	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 12:06	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 12:06	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 12:06	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 12:06	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 12:06	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 12:06	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 12:06	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 12:06	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 12:06	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 12:06	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 12:06	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	107-06-2	
1,2-Dichloroethene (Total)	387	ug/L	20.0	10		01/15/21 12:33	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 12:06	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 12:06	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 12:06	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 12:06	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 12:06	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 12:06	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 12:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 12:06	108-10-1	L1
Styrene	<1.0	ug/L	1.0	1		01/15/21 12:06	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	79-34-5	
Tetrachloroethene	808	ug/L	10.0	10		01/15/21 12:33	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 12:06	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 12:06	79-00-5	
Trichloroethene	123	ug/L	1.0	1		01/15/21 12:06	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/15/21 12:06	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 12:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	70-123	1		01/15/21 12:06	17060-07-0	
4-Bromofluorobenzene (S)	92	%	66-119	1		01/15/21 12:06	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		01/15/21 12:06	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	6.1	Std. Units	0.10	1		01/15/21 12:25		H3,H6
Temperature, Water (C)	18.3	deg C	0.10	1		01/15/21 12:25		H3,H6

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: MAG	Lab ID: 70159443003	Collected: 01/14/21 11:30	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC								
Analytical Method: SM22 5310B								
Pace Analytical Services - Melville								
Total Organic Carbon	1.9	mg/L	1.0	1		01/15/21 17:46	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: UG	Lab ID: 70159443004	Collected: 01/14/21 11:20	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	10200	ug/L	100	1	01/18/21 10:51	01/20/21 11:47	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 13:39	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 13:39	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 13:39	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 13:39	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 13:39	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 13:39	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 13:39	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 13:39	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 13:39	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 13:39	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 13:39	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 13:39	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	107-06-2	
1,2-Dichloroethene (Total)	523	ug/L	50.0	25		01/15/21 14:12	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 13:39	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 13:39	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 13:39	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 13:39	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 13:39	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 13:39	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 13:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 13:39	108-10-1	L1
Styrene	<1.0	ug/L	1.0	1		01/15/21 13:39	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	79-34-5	
Tetrachloroethene	1900	ug/L	25.0	25		01/15/21 14:12	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 13:39	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 13:39	79-00-5	
Trichloroethene	594	ug/L	25.0	25		01/15/21 14:12	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/15/21 13:39	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 13:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	70-123	1		01/15/21 13:39	17060-07-0	
4-Bromofluorobenzene (S)	93	%	66-119	1		01/15/21 13:39	460-00-4	
Toluene-d8 (S)	95	%	82-121	1		01/15/21 13:39	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	6.1	Std. Units	0.10	1		01/15/21 12:22		H3,H6
Temperature, Water (C)	17.2	deg C	0.10	1		01/15/21 12:22		H3,H6

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: UG	Lab ID: 70159443004	Collected: 01/14/21 11:20	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC								
Analytical Method: SM22 5310B								
Pace Analytical Services - Melville								
Total Organic Carbon	2.6	mg/L	1.0	1		01/15/21 17:57	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: MW-8	Lab ID: 70159443005	Collected: 01/14/21 07:30	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 15:10	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 15:10	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 15:10	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 15:10	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 15:10	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 15:10	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 15:10	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 15:10	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 15:10	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	75-00-3	M1
Chloroform	<1.0	ug/L	1.0	1		01/15/21 15:10	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 15:10	74-87-3	M1
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 15:10	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		01/15/21 15:10	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 15:10	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 15:10	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 15:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 15:10	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 15:10	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 15:10	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 15:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 15:10	108-10-1	L1,M0
Styrene	<1.0	ug/L	1.0	1		01/15/21 15:10	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/15/21 15:10	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 15:10	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:10	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/15/21 15:10	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/15/21 15:10	75-01-4	M1
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 15:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	70-123	1		01/15/21 15:10	17060-07-0	
4-Bromofluorobenzene (S)	92	%	66-119	1		01/15/21 15:10	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		01/15/21 15:10	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	7.7	mg/L	1.0	1		01/15/21 18:32	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: MW-9	Lab ID: 70159443006	Collected: 01/14/21 09:00	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/18/21 23:39	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/18/21 23:39	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/18/21 23:39	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/18/21 23:39	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/18/21 23:39	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/18/21 23:39	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/18/21 23:39	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/18/21 23:39	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		01/18/21 23:39	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/18/21 23:39	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/18/21 23:39	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/18/21 23:39	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		01/18/21 23:39	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:39	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/18/21 23:39	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:39	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:39	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/18/21 23:39	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/18/21 23:39	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/18/21 23:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/18/21 23:39	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/18/21 23:39	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/18/21 23:39	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/18/21 23:39	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:39	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:39	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		01/18/21 23:39	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/18/21 23:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-123	1		01/18/21 23:39	17060-07-0	
4-Bromofluorobenzene (S)	92	%	66-119	1		01/18/21 23:39	460-00-4	
Toluene-d8 (S)	100	%	82-121	1		01/18/21 23:39	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	1.2	mg/L	1.0	1		01/15/21 18:42	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: ML-1A	Lab ID: 70159443007	Collected: 01/14/21 10:00	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 15:48	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		01/15/21 15:48	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 15:48	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 15:48	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 15:48	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 15:48	78-93-3	IL,v3
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 15:48	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 15:48	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 15:48	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 15:48	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 15:48	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 15:48	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	107-06-2	
1,2-Dichloroethene (Total)	3.3	ug/L	2.0	1		01/15/21 15:48	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 15:48	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 15:48	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 15:48	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 15:48	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 15:48	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 15:48	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 15:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 15:48	108-10-1	L1
Styrene	<1.0	ug/L	1.0	1		01/15/21 15:48	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	79-34-5	
Tetrachloroethene	4.6	ug/L	1.0	1		01/15/21 15:48	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 15:48	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 15:48	79-00-5	
Trichloroethene	7.7	ug/L	1.0	1		01/15/21 15:48	79-01-6	
Vinyl chloride	13.2	ug/L	1.0	1		01/15/21 15:48	75-01-4	IH,v1
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 15:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-123	1		01/15/21 15:48	17060-07-0	
4-Bromofluorobenzene (S)	92	%	66-119	1		01/15/21 15:48	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		01/15/21 15:48	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	6.3	mg/L	1.0	1		01/15/21 18:55	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: ML-1B	Lab ID: 70159443008	Collected: 01/14/21 10:10	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/18/21 23:57	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/18/21 23:57	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/18/21 23:57	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/18/21 23:57	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/18/21 23:57	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/18/21 23:57	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/18/21 23:57	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/18/21 23:57	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		01/18/21 23:57	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/18/21 23:57	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/18/21 23:57	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/18/21 23:57	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	107-06-2	
1,2-Dichloroethene (Total)	9.6	ug/L	2.0	1		01/18/21 23:57	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/18/21 23:57	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/18/21 23:57	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:57	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/21 23:57	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/18/21 23:57	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/18/21 23:57	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/18/21 23:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/18/21 23:57	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/18/21 23:57	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	79-34-5	
Tetrachloroethene	1.0	ug/L	1.0	1		01/18/21 23:57	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/18/21 23:57	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/18/21 23:57	79-00-5	
Trichloroethene	6.0	ug/L	1.0	1		01/18/21 23:57	79-01-6	
Vinyl chloride	5.4	ug/L	1.0	1		01/18/21 23:57	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/18/21 23:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	70-123	1		01/18/21 23:57	17060-07-0	
4-Bromofluorobenzene (S)	91	%	66-119	1		01/18/21 23:57	460-00-4	
Toluene-d8 (S)	100	%	82-121	1		01/18/21 23:57	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	7.8	mg/L	1.0	1		01/15/21 19:07	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT

Pace Project No.: 70159443

Sample: ML-1F	Lab ID: 70159443009	Collected: 01/14/21 10:20	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/19/21 00:35	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/19/21 00:35	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/19/21 00:35	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/19/21 00:35	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/19/21 00:35	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/19/21 00:35	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/19/21 00:35	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/19/21 00:35	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		01/19/21 00:35	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/19/21 00:35	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/19/21 00:35	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/19/21 00:35	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		01/19/21 00:35	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/19/21 00:35	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/19/21 00:35	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/19/21 00:35	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/19/21 00:35	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/19/21 00:35	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/19/21 00:35	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/19/21 00:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/19/21 00:35	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/19/21 00:35	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/19/21 00:35	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/19/21 00:35	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/19/21 00:35	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/19/21 00:35	79-01-6	
Vinyl chloride	2.4	ug/L	1.0	1		01/19/21 00:35	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/19/21 00:35	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70-123	1		01/19/21 00:35	17060-07-0	
4-Bromofluorobenzene (S)	91	%	66-119	1		01/19/21 00:35	460-00-4	
Toluene-d8 (S)	101	%	82-121	1		01/19/21 00:35	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	2.2	mg/L	1.0	1		01/15/21 19:18	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN MILT
Pace Project No.: 70159443

Sample: ML-1G	Lab ID: 70159443010	Collected: 01/14/21 10:30	Received: 01/14/21 12:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		01/15/21 23:08	67-64-1	
Benzene	<0.70	ug/L	0.70	1		01/15/21 23:08	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/15/21 23:08	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		01/15/21 23:08	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		01/15/21 23:08	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/15/21 23:08	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		01/15/21 23:08	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/15/21 23:08	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		01/15/21 23:08	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		01/15/21 23:08	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		01/15/21 23:08	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		01/15/21 23:08	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		01/15/21 23:08	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/15/21 23:08	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/15/21 23:08	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 23:08	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/15/21 23:08	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		01/15/21 23:08	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		01/15/21 23:08	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/15/21 23:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/15/21 23:08	108-10-1	
Styrene	<1.0	ug/L	1.0	1		01/15/21 23:08	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/15/21 23:08	127-18-4	
Toluene	<1.0	ug/L	1.0	1		01/15/21 23:08	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/15/21 23:08	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/15/21 23:08	79-01-6	
Vinyl chloride	6.5	ug/L	1.0	1		01/15/21 23:08	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/15/21 23:08	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	121	%	70-123	1		01/15/21 23:08	17060-07-0	
4-Bromofluorobenzene (S)	97	%	66-119	1		01/15/21 23:08	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		01/15/21 23:08	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	2.6	mg/L	1.0	1		01/20/21 21:14	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193150 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443001, 70159443002

METHOD BLANK: 947679 Matrix: Water
Associated Lab Samples: 70159443001, 70159443002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	01/19/21 10:07	

LABORATORY CONTROL SAMPLE: 947680

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2070	104	85-115	

MATRIX SPIKE SAMPLE: 947682

Parameter	Units	70159272001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	34700	2000	37100	119	70-130	

MATRIX SPIKE SAMPLE: 947684

Parameter	Units	70159272002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5370	2000	7630	113	70-130	

SAMPLE DUPLICATE: 947681

Parameter	Units	70159272001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	34700	35300	2	

SAMPLE DUPLICATE: 947683

Parameter	Units	70159272002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	5370	5380	0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193341 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443003, 70159443004

METHOD BLANK: 948648 Matrix: Water
Associated Lab Samples: 70159443003, 70159443004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	01/20/21 10:56	

LABORATORY CONTROL SAMPLE: 948649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	1910	95	85-115	

MATRIX SPIKE SAMPLE: 948651

Parameter	Units	70159610001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	124	2000	2100	99	70-130	

MATRIX SPIKE SAMPLE: 948653

Parameter	Units	70159610002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	2000	2170	104	70-130	

SAMPLE DUPLICATE: 948650

Parameter	Units	70159610001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	124	131	6	

SAMPLE DUPLICATE: 948652

Parameter	Units	70159610002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193127 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70159443002, 70159443003, 70159443004, 70159443005, 70159443007

METHOD BLANK: 947622 Matrix: Water
Associated Lab Samples: 70159443002, 70159443003, 70159443004, 70159443005, 70159443007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/15/21 09:00	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	01/15/21 09:00	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/15/21 09:00	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/15/21 09:00	IL
2-Hexanone	ug/L	<5.0	5.0	01/15/21 09:00	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/15/21 09:00	
Acetone	ug/L	<5.0	5.0	01/15/21 09:00	IC
Benzene	ug/L	<0.70	0.70	01/15/21 09:00	
Bromodichloromethane	ug/L	<1.0	1.0	01/15/21 09:00	
Bromoform	ug/L	<1.0	1.0	01/15/21 09:00	
Bromomethane	ug/L	<1.0	1.0	01/15/21 09:00	
Carbon disulfide	ug/L	<1.0	1.0	01/15/21 09:00	
Carbon tetrachloride	ug/L	<1.0	1.0	01/15/21 09:00	
Chlorobenzene	ug/L	<1.0	1.0	01/15/21 09:00	
Chloroethane	ug/L	<1.0	1.0	01/15/21 09:00	
Chloroform	ug/L	<1.0	1.0	01/15/21 09:00	
Chloromethane	ug/L	<1.0	1.0	01/15/21 09:00	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/15/21 09:00	
Dibromochloromethane	ug/L	<1.0	1.0	01/15/21 09:00	
Ethylbenzene	ug/L	<1.0	1.0	01/15/21 09:00	
Methylene Chloride	ug/L	<1.0	1.0	01/15/21 09:00	
Styrene	ug/L	<1.0	1.0	01/15/21 09:00	
Tetrachloroethene	ug/L	<1.0	1.0	01/15/21 09:00	
Toluene	ug/L	<1.0	1.0	01/15/21 09:00	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/15/21 09:00	
Trichloroethene	ug/L	<1.0	1.0	01/15/21 09:00	
Vinyl chloride	ug/L	<1.0	1.0	01/15/21 09:00	
Xylene (Total)	ug/L	<3.0	3.0	01/15/21 09:00	
1,2-Dichloroethane-d4 (S)	%	102	70-123	01/15/21 09:00	
4-Bromofluorobenzene (S)	%	92	66-119	01/15/21 09:00	
Toluene-d8 (S)	%	96	82-121	01/15/21 09:00	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

LABORATORY CONTROL SAMPLE: 947623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.9	92	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	56.9	114	75-122	
1,1,2-Trichloroethane	ug/L	50	55.7	111	80-122	
1,1-Dichloroethane	ug/L	50	55.9	112	68-127	
1,1-Dichloroethene	ug/L	50	43.1	86	65-123	
1,2-Dichloroethane	ug/L	50	57.4	115	73-128	
1,2-Dichloroethene (Total)	ug/L	100	104	104	72-124	
1,2-Dichloropropane	ug/L	50	58.6	117	79-117	
2-Butanone (MEK)	ug/L	50	37.5	75	28-169	IL
2-Hexanone	ug/L	50	61.3	123	59-138	
4-Methyl-2-pentanone (MIBK)	ug/L	50	67.4	135	70-129	L1,v1
Acetone	ug/L	50	87.4	175	10-225	IC,v1
Benzene	ug/L	50	54.4	109	73-121	
Bromodichloromethane	ug/L	50	54.7	109	74-127	
Bromoform	ug/L	50	56.6	113	55-128	
Bromomethane	ug/L	50	58.4	117	12-176	IH
Carbon disulfide	ug/L	50	50.9	102	57-129	
Carbon tetrachloride	ug/L	50	44.2	88	64-122	
Chlorobenzene	ug/L	50	52.8	106	76-117	
Chloroethane	ug/L	50	57.4	115	60-129	
Chloroform	ug/L	50	52.8	106	74-129	
Chloromethane	ug/L	50	47.4	95	43-126	
cis-1,3-Dichloropropene	ug/L	50	51.2	102	65-134	
Dibromochloromethane	ug/L	50	54.0	108	71-130	
Ethylbenzene	ug/L	50	51.0	102	70-120	
Methylene Chloride	ug/L	50	54.6	109	69-126	
Styrene	ug/L	50	50.9	102	80-121	
Tetrachloroethene	ug/L	50	50.1	100	65-120	
Toluene	ug/L	50	54.2	108	77-120	
trans-1,3-Dichloropropene	ug/L	50	47.8	96	54-139	
Trichloroethene	ug/L	50	51.6	103	73-116	
Vinyl chloride	ug/L	50	62.5	125	50-130	IH,v1
Xylene (Total)	ug/L	150	155	103	73-120	
1,2-Dichloroethane-d4 (S)	%			102	70-123	
4-Bromofluorobenzene (S)	%			93	66-119	
Toluene-d8 (S)	%			96	82-121	

MATRIX SPIKE SAMPLE: 948686

Parameter	Units	70159443005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	47.1	94	60-127	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	53.9	108	74-118	
1,1,2-Trichloroethane	ug/L	<1.0	50	52.5	105	80-120	
1,1-Dichloroethane	ug/L	<1.0	50	58.1	116	69-131	
1,1-Dichloroethene	ug/L	<1.0	50	48.1	96	70-129	

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

MATRIX SPIKE SAMPLE: 948686

Parameter	Units	70159443005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	54.8	110	70-129	v1
1,2-Dichloroethene (Total)	ug/L	<2.0	100	109	109	67-132	
1,2-Dichloropropane	ug/L	<1.0	50	56.4	113	77-118	v1
2-Butanone (MEK)	ug/L	<5.0	50	37.2	74	15-159	IL,v3
2-Hexanone	ug/L	<5.0	50	61.1	122	60-127	v1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	65.8	132	66-129	M0
Acetone	ug/L	<5.0	50	88.7	174	10-189	IC,v1
Benzene	ug/L	<0.70	50	55.4	111	74-126	
Bromodichloromethane	ug/L	<1.0	50	51.6	103	71-125	
Bromoform	ug/L	<1.0	50	51.8	104	40-128	
Bromomethane	ug/L	<1.0	50	54.3	109	10-179	
Carbon disulfide	ug/L	<1.0	50	61.6	123	60-131	
Carbon tetrachloride	ug/L	<1.0	50	51.7	103	64-125	
Chlorobenzene	ug/L	<1.0	50	51.2	102	72-121	
Chloroethane	ug/L	<1.0	50	72.8	146	54-137	M1,v1
Chloroform	ug/L	<1.0	50	53.3	107	73-128	
Chloromethane	ug/L	<1.0	50	78.4	157	45-123	M1
cis-1,3-Dichloropropene	ug/L	<1.0	50	48.0	96	57-130	
Dibromochloromethane	ug/L	<1.0	50	50.2	100	59-132	
Ethylbenzene	ug/L	<1.0	50	50.7	101	67-126	
Methylene Chloride	ug/L	<1.0	50	55.1	110	65-129	
Styrene	ug/L	<1.0	50	48.2	96	74-121	
Tetrachloroethene	ug/L	<1.0	50	51.4	103	59-131	
Toluene	ug/L	<1.0	50	54.3	109	76-124	
trans-1,3-Dichloropropene	ug/L	<1.0	50	43.2	86	42-140	
Trichloroethene	ug/L	<1.0	50	53.3	107	78-119	
Vinyl chloride	ug/L	<1.0	50	98.7	197	45-141	IH,M1,v1
Xylene (Total)	ug/L	<3.0	150	151	101	69-125	
1,2-Dichloroethane-d4 (S)	%					103	70-123
4-Bromofluorobenzene (S)	%					93	66-119
Toluene-d8 (S)	%					98	82-121

SAMPLE DUPLICATE: 948687

Parameter	Units	70159443007 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	3.3	3.3	1	
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		IL,v3
2-Hexanone	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: MIN MILT

Pace Project No.: 70159443

SAMPLE DUPLICATE: 948687

Parameter	Units	70159443007 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		IC
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	4.6	4.5		3
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	7.7	7.9		2
Vinyl chloride	ug/L	13.2	12.9		2 IH,v1
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	103	104		
4-Bromofluorobenzene (S)	%	92	91		
Toluene-d8 (S)	%	97	95		

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193212	Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C	Analysis Description: 8260 MSV
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443010

METHOD BLANK: 948061 Matrix: Water
Associated Lab Samples: 70159443010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/15/21 14:46	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	01/15/21 14:46	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/15/21 14:46	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/15/21 14:46	IL
2-Hexanone	ug/L	<5.0	5.0	01/15/21 14:46	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/15/21 14:46	
Acetone	ug/L	<5.0	5.0	01/15/21 14:46	
Benzene	ug/L	<0.70	0.70	01/15/21 14:46	
Bromodichloromethane	ug/L	<1.0	1.0	01/15/21 14:46	
Bromoform	ug/L	<1.0	1.0	01/15/21 14:46	
Bromomethane	ug/L	<1.0	1.0	01/15/21 14:46	
Carbon disulfide	ug/L	<1.0	1.0	01/15/21 14:46	
Carbon tetrachloride	ug/L	<1.0	1.0	01/15/21 14:46	
Chlorobenzene	ug/L	<1.0	1.0	01/15/21 14:46	
Chloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
Chloroform	ug/L	<1.0	1.0	01/15/21 14:46	
Chloromethane	ug/L	<1.0	1.0	01/15/21 14:46	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/15/21 14:46	
Dibromochloromethane	ug/L	<1.0	1.0	01/15/21 14:46	
Ethylbenzene	ug/L	<1.0	1.0	01/15/21 14:46	
Methylene Chloride	ug/L	<1.0	1.0	01/15/21 14:46	
Styrene	ug/L	<1.0	1.0	01/15/21 14:46	
Tetrachloroethane	ug/L	<1.0	1.0	01/15/21 14:46	
Toluene	ug/L	<1.0	1.0	01/15/21 14:46	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/15/21 14:46	
Trichloroethene	ug/L	<1.0	1.0	01/15/21 14:46	
Vinyl chloride	ug/L	<1.0	1.0	01/15/21 14:46	
Xylene (Total)	ug/L	<3.0	3.0	01/15/21 14:46	
1,2-Dichloroethane-d4 (S)	%	95	70-123	01/15/21 14:46	
4-Bromofluorobenzene (S)	%	96	66-119	01/15/21 14:46	
Toluene-d8 (S)	%	100	82-121	01/15/21 14:46	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

LABORATORY CONTROL SAMPLE: 948062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.6	105	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	103	75-122	
1,1,2-Trichloroethane	ug/L	50	51.5	103	80-122	
1,1-Dichloroethane	ug/L	50	47.6	95	68-127	
1,1-Dichloroethene	ug/L	50	45.1	90	65-123	
1,2-Dichloroethane	ug/L	50	47.3	95	73-128	
1,2-Dichloroethene (Total)	ug/L	100	98.3	98	72-124	
1,2-Dichloropropane	ug/L	50	49.7	99	79-117	
2-Butanone (MEK)	ug/L	50	55.0	110	28-169 IL	
2-Hexanone	ug/L	50	65.9	132	59-138 v1	
4-Methyl-2-pentanone (MIBK)	ug/L	50	56.1	112	70-129	
Acetone	ug/L	50	71.1	142	10-225 v1	
Benzene	ug/L	50	47.3	95	73-121	
Bromodichloromethane	ug/L	50	52.4	105	74-127	
Bromoform	ug/L	50	41.6	83	55-128	
Bromomethane	ug/L	50	51.0	102	12-176	
Carbon disulfide	ug/L	50	46.6	93	57-129	
Carbon tetrachloride	ug/L	50	45.6	91	64-122	
Chlorobenzene	ug/L	50	50.5	101	76-117	
Chloroethane	ug/L	50	46.0	92	60-129	
Chloroform	ug/L	50	47.1	94	74-129	
Chloromethane	ug/L	50	46.6	93	43-126	
cis-1,3-Dichloropropene	ug/L	50	52.5	105	65-134	
Dibromochloromethane	ug/L	50	45.9	92	71-130	
Ethylbenzene	ug/L	50	50.6	101	70-120	
Methylene Chloride	ug/L	50	47.3	95	69-126	
Styrene	ug/L	50	52.3	105	80-121	
Tetrachloroethene	ug/L	50	51.5	103	65-120	
Toluene	ug/L	50	50.7	101	77-120	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	54-139	
Trichloroethene	ug/L	50	50.5	101	73-116	
Vinyl chloride	ug/L	50	45.8	92	50-130	
Xylene (Total)	ug/L	150	150	100	73-120	
1,2-Dichloroethane-d4 (S)	%			97	70-123	
4-Bromofluorobenzene (S)	%			99	66-119	
Toluene-d8 (S)	%			100	82-121	

MATRIX SPIKE SAMPLE: 948746

Parameter	Units	30401455002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	44.7	89	60-127	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	51.5	103	74-118	
1,1,2-Trichloroethane	ug/L	ND	50	55.2	110	80-120	
1,1-Dichloroethane	ug/L	ND	50	65.9	132	69-131 M1	
1,1-Dichloroethene	ug/L	ND	50	71.1	142	70-129 M1	

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

MATRIX SPIKE SAMPLE: 948746		30401455002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	50	67.5	135	70-129	M1
1,2-Dichloroethene (Total)	ug/L	ND	100	128	128	67-132	
1,2-Dichloropropane	ug/L	ND	50	50.9	102	77-118	
2-Butanone (MEK)	ug/L	ND	50	70.5	141	15-159	IL
2-Hexanone	ug/L	ND	50	50.8	102	60-127	v1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	44.7	89	66-129	
Acetone	ug/L	ND	50	73.1	140	10-189	v1
Benzene	ug/L	ND	50	48.8	98	74-126	
Bromodichloromethane	ug/L	ND	50	46.5	93	71-125	
Bromoform	ug/L	ND	50	28.9	58	40-128	
Bromomethane	ug/L	ND	50	54.6	109	10-179	
Carbon disulfide	ug/L	ND	50	66.2	132	60-131	M1
Carbon tetrachloride	ug/L	ND	50	28.2	56	64-125	M1
Chlorobenzene	ug/L	ND	50	43.8	88	72-121	
Chloroethane	ug/L	ND	50	66.2	132	54-137	
Chloroform	ug/L	ND	50	65.5	131	73-128	M1
Chloromethane	ug/L	ND	50	69.5	139	45-123	M1
cis-1,3-Dichloropropene	ug/L	ND	50	35.3	71	57-130	
Dibromochloromethane	ug/L	ND	50	36.8	74	59-132	
Ethylbenzene	ug/L	ND	50	34.9	70	67-126	
Methylene Chloride	ug/L	ND	50	64.5	129	65-129	
Styrene	ug/L	ND	50	39.4	79	74-121	
Tetrachloroethene	ug/L	ND	50	52.9	106	59-131	
Toluene	ug/L	ND	50	37.8	76	76-124	
trans-1,3-Dichloropropene	ug/L	ND	50	25.9	52	42-140	
Trichloroethene	ug/L	ND	50	57.6	115	78-119	
Vinyl chloride	ug/L	ND	50	67.0	134	45-141	
Xylene (Total)	ug/L	ND	150	124	83	69-125	
1,2-Dichloroethane-d4 (S)	%				124	70-123	S0
4-Bromofluorobenzene (S)	%				88	66-119	
Toluene-d8 (S)	%				85	82-121	

SAMPLE DUPLICATE: 948745

Parameter	Units	30401455001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	ND	<1.0		
1,1,2-Trichloroethane	ug/L	ND	<1.0		
1,1-Dichloroethane	ug/L	ND	<1.0		
1,1-Dichloroethene	ug/L	ND	<1.0		
1,2-Dichloroethane	ug/L	ND	<1.0		
1,2-Dichloroethene (Total)	ug/L	ND	<2.0		
1,2-Dichloropropane	ug/L	ND	<1.0		
2-Butanone (MEK)	ug/L	ND	<5.0		IL
2-Hexanone	ug/L	ND	<5.0		

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

SAMPLE DUPLICATE: 948745

Parameter	Units	30401455001 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	ND	<5.0		
Acetone	ug/L	ND	<5.0		v1
Benzene	ug/L	2.0	1.8	11	
Bromodichloromethane	ug/L	ND	<1.0		
Bromoform	ug/L	ND	<1.0		
Bromomethane	ug/L	ND	<1.0		
Carbon disulfide	ug/L	ND	<1.0		
Carbon tetrachloride	ug/L	ND	<1.0		
Chlorobenzene	ug/L	ND	<1.0		
Chloroethane	ug/L	ND	<1.0		
Chloroform	ug/L	ND	<1.0		
Chloromethane	ug/L	ND	<1.0		
cis-1,3-Dichloropropene	ug/L	ND	<1.0		
Dibromochloromethane	ug/L	ND	<1.0		
Ethylbenzene	ug/L	ND	<1.0		
Methylene Chloride	ug/L	ND	<1.0		
Styrene	ug/L	ND	<1.0		
Tetrachloroethene	ug/L	ND	<1.0		
Toluene	ug/L	4.5	3.7	18	
trans-1,3-Dichloropropene	ug/L	ND	<1.0		
Trichloroethene	ug/L	ND	<1.0		
Vinyl chloride	ug/L	ND	<1.0		
Xylene (Total)	ug/L	8.9	9.3	5	
1,2-Dichloroethane-d4 (S)	%	107	120		
4-Bromofluorobenzene (S)	%	94	98		
Toluene-d8 (S)	%	100	103		

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193407 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70159443001, 70159443006, 70159443008, 70159443009

METHOD BLANK: 948883 Matrix: Water
Associated Lab Samples: 70159443001, 70159443006, 70159443008, 70159443009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/18/21 21:22	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	01/18/21 21:22	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/18/21 21:22	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/18/21 21:22	IL
2-Hexanone	ug/L	<5.0	5.0	01/18/21 21:22	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/18/21 21:22	
Acetone	ug/L	<5.0	5.0	01/18/21 21:22	
Benzene	ug/L	<0.70	0.70	01/18/21 21:22	
Bromodichloromethane	ug/L	<1.0	1.0	01/18/21 21:22	
Bromoform	ug/L	<1.0	1.0	01/18/21 21:22	
Bromomethane	ug/L	<1.0	1.0	01/18/21 21:22	
Carbon disulfide	ug/L	<1.0	1.0	01/18/21 21:22	
Carbon tetrachloride	ug/L	<1.0	1.0	01/18/21 21:22	
Chlorobenzene	ug/L	<1.0	1.0	01/18/21 21:22	
Chloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
Chloroform	ug/L	<1.0	1.0	01/18/21 21:22	
Chloromethane	ug/L	<1.0	1.0	01/18/21 21:22	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/18/21 21:22	
Dibromochloromethane	ug/L	<1.0	1.0	01/18/21 21:22	
Ethylbenzene	ug/L	<1.0	1.0	01/18/21 21:22	
Methylene Chloride	ug/L	<1.0	1.0	01/18/21 21:22	
Styrene	ug/L	<1.0	1.0	01/18/21 21:22	
Tetrachloroethane	ug/L	<1.0	1.0	01/18/21 21:22	
Toluene	ug/L	<1.0	1.0	01/18/21 21:22	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/18/21 21:22	
Trichloroethene	ug/L	<1.0	1.0	01/18/21 21:22	
Vinyl chloride	ug/L	<1.0	1.0	01/18/21 21:22	
Xylene (Total)	ug/L	<3.0	3.0	01/18/21 21:22	
1,2-Dichloroethane-d4 (S)	%	106	70-123	01/18/21 21:22	
4-Bromofluorobenzene (S)	%	91	66-119	01/18/21 21:22	
Toluene-d8 (S)	%	100	82-121	01/18/21 21:22	

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

LABORATORY CONTROL SAMPLE: 948884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.5	115	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	46.2	92	75-122	
1,1,2-Trichloroethane	ug/L	50	46.9	94	80-122	
1,1-Dichloroethane	ug/L	50	44.8	90	68-127	
1,1-Dichloroethene	ug/L	50	43.6	87	65-123	
1,2-Dichloroethane	ug/L	50	49.0	98	73-128	
1,2-Dichloroethene (Total)	ug/L	100	95.3	95	72-124	
1,2-Dichloropropane	ug/L	50	45.2	90	79-117	
2-Butanone (MEK)	ug/L	50	50.4	101	28-169 IL	
2-Hexanone	ug/L	50	49.7	99	59-138	
4-Methyl-2-pentanone (MIBK)	ug/L	50	47.8	96	70-129	
Acetone	ug/L	50	40.5	81	10-225 v1	
Benzene	ug/L	50	43.2	86	73-121	
Bromodichloromethane	ug/L	50	59.0	118	74-127 v1	
Bromoform	ug/L	50	48.5	97	55-128	
Bromomethane	ug/L	50	50.4	101	12-176	
Carbon disulfide	ug/L	50	45.7	91	57-129	
Carbon tetrachloride	ug/L	50	69.6	139	64-122 L1,v1	
Chlorobenzene	ug/L	50	45.6	91	76-117	
Chloroethane	ug/L	50	41.1	82	60-129	
Chloroform	ug/L	50	47.2	94	74-129	
Chloromethane	ug/L	50	43.5	87	43-126	
cis-1,3-Dichloropropene	ug/L	50	67.1	134	65-134 v1	
Dibromochloromethane	ug/L	50	55.6	111	71-130	
Ethylbenzene	ug/L	50	44.9	90	70-120	
Methylene Chloride	ug/L	50	48.0	96	69-126	
Styrene	ug/L	50	46.0	92	80-121	
Tetrachloroethene	ug/L	50	46.1	92	65-120	
Toluene	ug/L	50	44.5	89	77-120	
trans-1,3-Dichloropropene	ug/L	50	55.1	110	54-139	
Trichloroethene	ug/L	50	45.2	90	73-116	
Vinyl chloride	ug/L	50	40.1	80	50-130	
Xylene (Total)	ug/L	150	136	90	73-120	
1,2-Dichloroethane-d4 (S)	%			106	70-123	
4-Bromofluorobenzene (S)	%			96	66-119	
Toluene-d8 (S)	%			101	82-121	

MATRIX SPIKE SAMPLE: 949420

Parameter	Units	70159717002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	49.5	99	60-127	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	44.7	89	74-118	
1,1,2-Trichloroethane	ug/L	<1.0	50	47.8	96	80-120	
1,1-Dichloroethane	ug/L	<1.0	50	42.3	85	69-131	
1,1-Dichloroethene	ug/L	<1.0	50	43.9	88	70-129	

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

MATRIX SPIKE SAMPLE: 949420

Parameter	Units	70159717002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	46.6	93	70-129	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	95.4	95	67-132	
1,2-Dichloropropane	ug/L	<1.0	50	45.3	91	77-118	
2-Butanone (MEK)	ug/L	<5.0	50	45.0	90	15-159 IL	
2-Hexanone	ug/L	<5.0	50	53.1	106	60-127	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50.2	100	66-129	
Acetone	ug/L	<5.0	50	39.1	78	10-189 v1	
Benzene	ug/L	<1.0	50	44.4	89	74-126	
Bromodichloromethane	ug/L	<1.0	50	50.5	101	71-125 v1	
Bromoform	ug/L	<1.0	50	35.6	71	40-128	
Bromomethane	ug/L	<1.0	50	45.1	90	10-179	
Carbon disulfide	ug/L	<1.0	50	42.3	85	60-131	
Carbon tetrachloride	ug/L	<1.0	50	49.3	99	64-125 v1	
Chlorobenzene	ug/L	<1.0	50	47.4	95	72-121	
Chloroethane	ug/L	<1.0	50	39.1	78	54-137	
Chloroform	ug/L	<1.0	50	45.3	91	73-128	
Chloromethane	ug/L	<1.0	50	41.1	82	45-123	
cis-1,3-Dichloropropene	ug/L	<1.0	50	54.3	109	57-130 v1	
Dibromochloromethane	ug/L	<1.0	50	43.9	88	59-132	
Ethylbenzene	ug/L	<1.0	50	47.3	95	67-126	
Methylene Chloride	ug/L	<1.0	50	44.5	89	65-129	
Styrene	ug/L	<1.0	50	46.8	94	74-121	
Tetrachloroethene	ug/L	<1.0	50	48.2	96	59-131	
Toluene	ug/L	<1.0	50	46.1	92	76-124	
trans-1,3-Dichloropropene	ug/L	<1.0	50	41.5	83	42-140	
Trichloroethene	ug/L	<1.0	50	47.3	95	78-119	
Vinyl chloride	ug/L	<1.0	50	38.7	77	45-141	
Xylene (Total)	ug/L	<3.0	150	140	94	69-125	
1,2-Dichloroethane-d4 (S)	%					100	70-123
4-Bromofluorobenzene (S)	%					95	66-119
Toluene-d8 (S)	%					103	82-121

SAMPLE DUPLICATE: 949419

Parameter	Units	70159443008 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	9.6	9.0	6	
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		IL
2-Hexanone	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: MIN MILT

Pace Project No.: 70159443

SAMPLE DUPLICATE: 949419

Parameter	Units	70159443008 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	6.0	5.7	5	
Vinyl chloride	ug/L	5.4	5.0	9	
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	100	101		
4-Bromofluorobenzene (S)	%	91	91		
Toluene-d8 (S)	%	100	98		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT

Pace Project No.: 70159443

QC Batch: 193159

Analysis Method: SM22 4500-H+B

QC Batch Method: SM22 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443001, 70159443002, 70159443003, 70159443004

SAMPLE DUPLICATE: 947707

Parameter	Units	70159562001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	8.3	8.3	0	H3,H6
Temperature, Water (C)	deg C	21.7	21.6	0	H3,H6

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193123 Analysis Method: SM22 5310B
QC Batch Method: SM22 5310B Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70159443001, 70159443002, 70159443003, 70159443004, 70159443005, 70159443006, 70159443007, 70159443008, 70159443009

METHOD BLANK: 947614 Matrix: Water
Associated Lab Samples: 70159443001, 70159443002, 70159443003, 70159443004, 70159443005, 70159443006, 70159443007, 70159443008, 70159443009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	01/15/21 16:05	

LABORATORY CONTROL SAMPLE: 947615

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	10.2	102	85-115	

MATRIX SPIKE SAMPLE: 947617

Parameter	Units	70159443001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.0	10	11.5	95	75-125	

SAMPLE DUPLICATE: 947616

Parameter	Units	70159469003 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: MIN MILT
Pace Project No.: 70159443

QC Batch: 193653	Analysis Method: SM22 5310B
QC Batch Method: SM22 5310B	Analysis Description: 5310B TOC
	Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70159443010

METHOD BLANK: 949925 Matrix: Water

Associated Lab Samples: 70159443010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	01/20/21 19:33	

LABORATORY CONTROL SAMPLE: 949926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.8	98	85-115	

MATRIX SPIKE SAMPLE: 949928

Parameter	Units	70159811002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L		4.1	10	13.9	98	75-125

SAMPLE DUPLICATE: 949927

Parameter	Units	70159811001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	6.8	6.7	2	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MIN MILT
Pace Project No.: 70159443

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S0	Surrogate recovery outside laboratory control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN MILT
Pace Project No.: 70159443

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70159443001	SYS-EFF	EPA 200.7	193150	EPA 200.7	193153
70159443002	SYS-INF	EPA 200.7	193150	EPA 200.7	193153
70159443003	MAG	EPA 200.7	193341	EPA 200.7	193343
70159443004	UG	EPA 200.7	193341	EPA 200.7	193343
70159443001	SYS-EFF	EPA 8260C/5030C	193407		
70159443002	SYS-INF	EPA 8260C/5030C	193127		
70159443003	MAG	EPA 8260C/5030C	193127		
70159443004	UG	EPA 8260C/5030C	193127		
70159443005	MW-8	EPA 8260C/5030C	193127		
70159443006	MW-9	EPA 8260C/5030C	193407		
70159443007	ML-1A	EPA 8260C/5030C	193127		
70159443008	ML-1B	EPA 8260C/5030C	193407		
70159443009	ML-1F	EPA 8260C/5030C	193407		
70159443010	ML-1G	EPA 8260C/5030C	193212		
70159443001	SYS-EFF	SM22 4500-H+B	193159		
70159443002	SYS-INF	SM22 4500-H+B	193159		
70159443003	MAG	SM22 4500-H+B	193159		
70159443004	UG	SM22 4500-H+B	193159		
70159443001	SYS-EFF	SM22 5310B	193123		
70159443002	SYS-INF	SM22 5310B	193123		
70159443003	MAG	SM22 5310B	193123		
70159443004	UG	SM22 5310B	193123		
70159443005	MW-8	SM22 5310B	193123		
70159443006	MW-9	SM22 5310B	193123		
70159443007	ML-1A	SM22 5310B	193123		
70159443008	ML-1B	SM22 5310B	193123		
70159443009	ML-1F	SM22 5310B	193123		
70159443010	ML-1G	SM22 5310B	193653		

REPORT OF LABORATORY ANALYSIS

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WO#: 70159443

Pace Analytical

Client Name:

P W Grosser

Project

PM: EMH

Due Date: 01/28/21

CLIENT: PWG

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____ Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: -0.2

Cooler Temperature(°C): 10.8 Cooler Temperature Corrected(°C): 0.6

Temp should be above freezing to 6.0°C

USDA Regulated Soil N/A, water sample

Temperature Blank Present: Yes No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer _____

Date and Initials of person examining contents: 8/1/4/21 NL

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source including Hawaii and Puerto Rico? Yes No

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: SL <u>WT</u> OIL		
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>Hc904495</u>		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Lead Acetate Strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

April 06, 2021

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN1001/MINMILT 3/23
Pace Project No.: 70166661

Dear Kaitlyn Crosby:

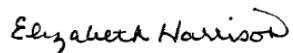
Enclosed are the analytical results for sample(s) received by the laboratory on March 23, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

Pace Analytical Services Long Island

Delaware Certification # NY10478

Virginia Certification # 460302

Delaware Certification # NY10478

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

Sample: MW-8	Lab ID: 70166661001	Collected: 03/23/21 10:30	Received: 03/23/21 12:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 10:57	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/21 10:57	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 10:57	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 10:57	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/21 10:57	75-35-4	v3
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 10:57	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		03/29/21 10:57	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/21 10:57	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/21 10:57	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/29/21 10:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/21 10:57	108-10-1	
Acetone	<5.0	ug/L	5.0	1		03/29/21 10:57	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		03/29/21 10:57	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/21 10:57	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/29/21 10:57	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/29/21 10:57	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/21 10:57	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/21 10:57	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/21 10:57	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/29/21 10:57	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/29/21 10:57	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/29/21 10:57	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/21 10:57	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/21 10:57	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/21 10:57	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/29/21 10:57	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		03/29/21 10:57	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/29/21 10:57	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		03/29/21 10:57	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		03/29/21 10:57	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/21 10:57	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 10:57	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 10:57	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	83	%	70-123	1		03/29/21 10:57	17060-07-0	
4-Bromofluorobenzene (S)	93	%	66-119	1		03/29/21 10:57	460-00-4	
Toluene-d8 (S)	93	%	82-121	1		03/29/21 10:57	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	1.5	mg/L	1.0	1		04/01/21 22:14	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

Sample: MW-9	Lab ID: 70166661002	Collected: 03/23/21 09:45	Received: 03/23/21 12:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:16	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/21 11:16	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:16	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:16	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/21 11:16	75-35-4	v3
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:16	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		03/29/21 11:16	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/21 11:16	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/21 11:16	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/29/21 11:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/21 11:16	108-10-1	
Acetone	<5.0	ug/L	5.0	1		03/29/21 11:16	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		03/29/21 11:16	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/21 11:16	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/29/21 11:16	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/29/21 11:16	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/21 11:16	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/21 11:16	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/21 11:16	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/29/21 11:16	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/29/21 11:16	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/29/21 11:16	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/21 11:16	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/21 11:16	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/21 11:16	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/29/21 11:16	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		03/29/21 11:16	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/29/21 11:16	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		03/29/21 11:16	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		03/29/21 11:16	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/21 11:16	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 11:16	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 11:16	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	70-123	1		03/29/21 11:16	17060-07-0	
4-Bromofluorobenzene (S)	92	%	66-119	1		03/29/21 11:16	460-00-4	
Toluene-d8 (S)	92	%	82-121	1		03/29/21 11:16	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	3.4	mg/L	1.0	1		04/01/21 23:02	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

Sample: ML-1A	Lab ID: 70166661003	Collected: 03/23/21 11:45	Received: 03/23/21 12:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:36	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/21 11:36	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:36	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:36	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/21 11:36	75-35-4	v3
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:36	107-06-2	
1,2-Dichloroethene (Total)	5.6	ug/L	2.0	1		03/29/21 11:36	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/21 11:36	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/21 11:36	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/29/21 11:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/21 11:36	108-10-1	
Acetone	<5.0	ug/L	5.0	1		03/29/21 11:36	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		03/29/21 11:36	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/21 11:36	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/29/21 11:36	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/29/21 11:36	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/21 11:36	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/21 11:36	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/21 11:36	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/29/21 11:36	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/29/21 11:36	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/29/21 11:36	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/21 11:36	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/21 11:36	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/21 11:36	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/29/21 11:36	100-42-5	
Tetrachloroethene	6.0	ug/L	1.0	1		03/29/21 11:36	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/29/21 11:36	108-88-3	
Trichloroethene	13.3	ug/L	1.0	1		03/29/21 11:36	79-01-6	
Vinyl chloride	8.3	ug/L	1.0	1		03/29/21 11:36	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/21 11:36	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 11:36	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 11:36	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	70-123	1		03/29/21 11:36	17060-07-0	
4-Bromofluorobenzene (S)	93	%	66-119	1		03/29/21 11:36	460-00-4	
Toluene-d8 (S)	93	%	82-121	1		03/29/21 11:36	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	4.4	mg/L	1.0	1		04/01/21 23:37	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

Sample: ML-1B	Lab ID: 70166661004	Collected: 03/23/21 11:55	Received: 03/23/21 12:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:55	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/21 11:55	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:55	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:55	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/21 11:55	75-35-4	v3
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 11:55	107-06-2	
1,2-Dichloroethene (Total)	20.0	ug/L	2.0	1		03/29/21 11:55	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/21 11:55	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/21 11:55	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/29/21 11:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/21 11:55	108-10-1	
Acetone	<5.0	ug/L	5.0	1		03/29/21 11:55	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		03/29/21 11:55	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/21 11:55	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/29/21 11:55	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/29/21 11:55	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/21 11:55	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/21 11:55	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/21 11:55	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/29/21 11:55	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/29/21 11:55	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/29/21 11:55	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/21 11:55	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/21 11:55	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/21 11:55	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/29/21 11:55	100-42-5	
Tetrachloroethene	2.2	ug/L	1.0	1		03/29/21 11:55	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/29/21 11:55	108-88-3	
Trichloroethene	16.8	ug/L	1.0	1		03/29/21 11:55	79-01-6	
Vinyl chloride	9.1	ug/L	1.0	1		03/29/21 11:55	75-01-4	IH
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/21 11:55	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 11:55	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 11:55	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	70-123	1		03/29/21 11:55	17060-07-0	
4-Bromofluorobenzene (S)	93	%	66-119	1		03/29/21 11:55	460-00-4	
Toluene-d8 (S)	92	%	82-121	1		03/29/21 11:55	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	5.3	mg/L	1.0	1		04/01/21 23:49	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

Sample: ML-1F	Lab ID: 70166661005	Collected: 03/23/21 12:05	Received: 03/23/21 12:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 12:15	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/21 12:15	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 12:15	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 12:15	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/21 12:15	75-35-4	v3
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 12:15	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		03/29/21 12:15	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/21 12:15	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/21 12:15	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/29/21 12:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/21 12:15	108-10-1	
Acetone	<5.0	ug/L	5.0	1		03/29/21 12:15	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		03/29/21 12:15	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/21 12:15	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/29/21 12:15	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/29/21 12:15	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/21 12:15	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/21 12:15	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/21 12:15	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/29/21 12:15	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/29/21 12:15	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/29/21 12:15	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/21 12:15	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/21 12:15	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/21 12:15	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/29/21 12:15	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		03/29/21 12:15	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/29/21 12:15	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		03/29/21 12:15	79-01-6	
Vinyl chloride	3.9	ug/L	1.0	1		03/29/21 12:15	75-01-4	IH
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/21 12:15	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 12:15	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 12:15	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%	70-123	1		03/29/21 12:15	17060-07-0	
4-Bromofluorobenzene (S)	94	%	66-119	1		03/29/21 12:15	460-00-4	
Toluene-d8 (S)	93	%	82-121	1		03/29/21 12:15	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	4.2	mg/L	1.0	1		04/02/21 00:01	7440-44-0	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

Sample: ML-1G	Lab ID: 70166661006	Collected: 03/23/21 12:15	Received: 03/23/21 12:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 12:34	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/21 12:34	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/21 12:34	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 12:34	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/21 12:34	75-35-4	v3
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/21 12:34	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		03/29/21 12:34	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/21 12:34	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/21 12:34	78-93-3	IL,v3
2-Hexanone	<5.0	ug/L	5.0	1		03/29/21 12:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/21 12:34	108-10-1	
Acetone	<5.0	ug/L	5.0	1		03/29/21 12:34	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		03/29/21 12:34	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/21 12:34	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/29/21 12:34	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/29/21 12:34	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/21 12:34	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/21 12:34	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/21 12:34	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		03/29/21 12:34	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/29/21 12:34	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/29/21 12:34	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/21 12:34	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/21 12:34	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/21 12:34	75-09-2	
Styrene	<1.0	ug/L	1.0	1		03/29/21 12:34	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		03/29/21 12:34	127-18-4	
Toluene	<1.0	ug/L	1.0	1		03/29/21 12:34	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		03/29/21 12:34	79-01-6	
Vinyl chloride	4.5	ug/L	1.0	1		03/29/21 12:34	75-01-4	IH
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/21 12:34	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 12:34	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/21 12:34	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	70-123	1		03/29/21 12:34	17060-07-0	
4-Bromofluorobenzene (S)	93	%	66-119	1		03/29/21 12:34	460-00-4	
Toluene-d8 (S)	92	%	82-121	1		03/29/21 12:34	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	5.2	mg/L	1.0	1		04/02/21 00:25	7440-44-0	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 3/23
Pace Project No.: 70166661

QC Batch: 201910 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70166661001, 70166661002, 70166661003, 70166661004, 70166661005, 70166661006

METHOD BLANK: 994344 Matrix: Water
Associated Lab Samples: 70166661001, 70166661002, 70166661003, 70166661004, 70166661005, 70166661006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/29/21 09:20	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/29/21 09:20	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/29/21 09:20	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/29/21 09:20	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/29/21 09:20	v3
1,2-Dichloroethane	ug/L	<1.0	1.0	03/29/21 09:20	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	03/29/21 09:20	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/29/21 09:20	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/29/21 09:20	IL,v3
2-Hexanone	ug/L	<5.0	5.0	03/29/21 09:20	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/29/21 09:20	
Acetone	ug/L	<5.0	5.0	03/29/21 09:20	IC
Benzene	ug/L	<0.70	0.70	03/29/21 09:20	
Bromodichloromethane	ug/L	<1.0	1.0	03/29/21 09:20	
Bromoform	ug/L	<1.0	1.0	03/29/21 09:20	
Bromomethane	ug/L	<1.0	1.0	03/29/21 09:20	v3
Carbon disulfide	ug/L	<1.0	1.0	03/29/21 09:20	
Carbon tetrachloride	ug/L	<1.0	1.0	03/29/21 09:20	
Chlorobenzene	ug/L	<1.0	1.0	03/29/21 09:20	
Chloroethane	ug/L	<1.0	1.0	03/29/21 09:20	
Chloroform	ug/L	<1.0	1.0	03/29/21 09:20	
Chloromethane	ug/L	<1.0	1.0	03/29/21 09:20	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/29/21 09:20	
Dibromochloromethane	ug/L	<1.0	1.0	03/29/21 09:20	
Ethylbenzene	ug/L	<1.0	1.0	03/29/21 09:20	
Methylene Chloride	ug/L	<1.0	1.0	03/29/21 09:20	
Styrene	ug/L	<1.0	1.0	03/29/21 09:20	
Tetrachloroethene	ug/L	<1.0	1.0	03/29/21 09:20	
Toluene	ug/L	<1.0	1.0	03/29/21 09:20	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/29/21 09:20	
Trichloroethene	ug/L	<1.0	1.0	03/29/21 09:20	
Vinyl chloride	ug/L	<1.0	1.0	03/29/21 09:20	
Xylene (Total)	ug/L	<3.0	3.0	03/29/21 09:20	
1,2-Dichloroethane-d4 (S)	%	85	70-123	03/29/21 09:20	
4-Bromofluorobenzene (S)	%	93	66-119	03/29/21 09:20	
Toluene-d8 (S)	%	94	82-121	03/29/21 09:20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

LABORATORY CONTROL SAMPLE: 994345

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	39.6	79	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	48.2	96	75-122	
1,1,2-Trichloroethane	ug/L	50	49.3	99	80-122	
1,1-Dichloroethane	ug/L	50	48.4	97	68-127	
1,1-Dichloroethene	ug/L	50	34.3	69	65-123	v3
1,2-Dichloroethane	ug/L	50	44.2	88	73-128	
1,2-Dichloroethene (Total)	ug/L	100	96.2	96	72-124	
1,2-Dichloropropane	ug/L	50	52.5	105	79-117	
2-Butanone (MEK)	ug/L	50	31.9	64	28-169	IL,v3
2-Hexanone	ug/L	50	50.7	101	59-138	
4-Methyl-2-pentanone (MIBK)	ug/L	50	54.5	109	70-129	
Acetone	ug/L	50	59.2	118	10-225	IC,v1
Benzene	ug/L	50	49.7	99	73-121	
Bromodichloromethane	ug/L	50	45.8	92	74-127	
Bromoform	ug/L	50	53.8	108	55-128	
Bromomethane	ug/L	50	47.2	94	12-176	IH,v3
Carbon disulfide	ug/L	50	48.1	96	57-129	
Carbon tetrachloride	ug/L	50	38.8	78	64-122	
Chlorobenzene	ug/L	50	47.1	94	76-117	
Chloroethane	ug/L	50	39.9	80	60-129	
Chloroform	ug/L	50	45.3	91	74-129	
Chloromethane	ug/L	50	49.5	99	43-126	
cis-1,3-Dichloropropene	ug/L	50	45.1	90	65-134	
Dibromochloromethane	ug/L	50	48.1	96	71-130	
Ethylbenzene	ug/L	50	45.3	91	70-120	
Methylene Chloride	ug/L	50	48.8	98	69-126	
Styrene	ug/L	50	48.0	96	80-121	
Tetrachloroethene	ug/L	50	47.1	94	65-120	
Toluene	ug/L	50	48.3	97	77-120	
trans-1,3-Dichloropropene	ug/L	50	40.2	80	54-139	
Trichloroethene	ug/L	50	46.7	93	73-116	
Vinyl chloride	ug/L	50	53.5	107	50-130	IH
Xylene (Total)	ug/L	150	139	93	73-120	
1,2-Dichloroethane-d4 (S)	%			87	70-123	
4-Bromofluorobenzene (S)	%			93	66-119	
Toluene-d8 (S)	%			92	82-121	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

QC Batch:	202216	Analysis Method:	SM22 5310B
QC Batch Method:	SM22 5310B	Analysis Description:	5310B TOC
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70166661001, 70166661002, 70166661003, 70166661004, 70166661005, 70166661006

METHOD BLANK: 995786 Matrix: Water

Associated Lab Samples: 70166661001, 70166661002, 70166661003, 70166661004, 70166661005, 70166661006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	04/01/21 21:50	

LABORATORY CONTROL SAMPLE: 995787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	11.2	112	85-115	

MATRIX SPIKE SAMPLE: 995789

Parameter	Units	70166661002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	3.4	10	14.0	105	75-125	

SAMPLE DUPLICATE: 995788

Parameter	Units	70166661001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	1.5	1.3	14	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

IL This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

v1 The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

v3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN1001/MINMILT 3/23

Pace Project No.: 70166661

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70166661001	MW-8	EPA 8260C/5030C	201910		
70166661002	MW-9	EPA 8260C/5030C	201910		
70166661003	ML-1A	EPA 8260C/5030C	201910		
70166661004	ML-1B	EPA 8260C/5030C	201910		
70166661005	ML-1F	EPA 8260C/5030C	201910		
70166661006	ML-1G	EPA 8260C/5030C	201910		
70166661001	MW-8	SM22 5310B	202216		
70166661002	MW-9	SM22 5310B	202216		
70166661003	ML-1A	SM22 5310B	202216		
70166661004	ML-1B	SM22 5310B	202216		
70166661005	ML-1F	SM22 5310B	202216		
70166661006	ML-1G	SM22 5310B	202216		

REPORT OF LABORATORY ANALYSIS

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WO# : 70166661

LAB USE ONLY

Manager: *EMH*

Worker Number or

32

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company: *PWGC*

Address: *630 Johnson Ave, Bohemia, NY*

Report To: *Kaitlyn Crosby*

Copy To: *Kaitlyn Crosby*

Billing Information:
Same as Client

Email To: *Kerosox@pwgrosser.com*

Site Collection Info/Address:
540 Smith St.

State: *NY* County/City: *Farmingdale* Time Zone Collected: *EST*

Phone: *631-589-6553* Site/Facility ID #: *1AET*

Email: *Kerosox@pwgrosser.com*

Compliance Monitoring?
 Yes No

DW PWS ID #: *Standard*

DW Location Code: *Standard*

Immediately Packed on Ice:
 Yes No

Field Filtered (if applicable):
 Yes No

Analysis: _____

Turnaround Date Required: _____

Rush: (Expedite Charges Apply)
 Same Day Next Day
 2 Day 3 Day
 4 Day 5 Day

Collected By (print): *Kaitlyn Crosby*

Collected By (signature): *[Signature]*

Sample Disposal:
 Dispose as appropriate
 Return
 Archive
 Hold:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Composite End Date	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)
<i>MW-8</i>	<i>GW</i>	<i>Grab</i>	<i>3-23-21</i>	<i>1630</i>	<i>4</i>	<i>4</i>	<i>TOC</i>
<i>MW-9</i>	<i>GW</i>	<i>Grab</i>	<i>0945</i>	<i>1145</i>			<i>TOC</i>
<i>ML-1A</i>	<i>GW</i>	<i>Grab</i>	<i>1155</i>	<i>1205</i>			<i>TOC</i>
<i>ML-1B</i>	<i>GW</i>	<i>Grab</i>	<i>1215</i>				<i>TOC</i>
<i>ML-1F</i>	<i>GW</i>	<i>Grab</i>					<i>TOC</i>
<i>ML-1G</i>	<i>GW</i>	<i>Grab</i>					<i>TOC</i>

Lab Profile/Line:

Lab Sample Receipt Checklist: Y N NA

Custody Seals Present/Intact: Y N NA

Custody Signatures Present: Y N NA

Collector Signatures Present: Y N NA

Bottles Intact: Y N NA

Correct Bottles: Y N NA

Sufficient Volume: Y N NA

Samples Received on Ice: Y N NA

VOA - Headspace Acceptable: Y N NA

USDA Regulated Soils: Y N NA

Samples in Holding Time: Y N NA

Residual Chlorine Present: Y N NA

C1 Strips: Y N NA

Sample pH Acceptable: Y N NA

pH Strips: Y N NA

Sulfide Present: Y N NA

Lead Acetate Strips: Y N NA

LAB USE ONLY:

LAB Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: *BB*

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N NA

Lab Tracking #: _____

Samples received via: Client Courier Pace Courier

FEDEX _____ UPS _____

Date/Time: *3-23-21 1250*

Date/Time: _____

Date/Time: _____

Relinquished by/Company: (Signature) *[Signature]* PWGC

Relinquished by/Company: (Signature) _____

Relinquished by/Company: (Signature) _____

Received by/Company: (Signature) *[Signature]*

Received by/Company: (Signature) _____

Received by/Company: (Signature) _____

MT/JL LAB USE ONLY

Table #: _____

Acctnum: _____

Template: _____

Prelogin: _____

PM: _____

PB: _____

LAB Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: *11011*

Cooler 1 Temp Upon Receipt: *11.0* °C

Cooler 1 Therm Corr. Factor: *0.0* °C

Cooler 1 Corrected Temp: *11.0* °C

Comments:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): _____

YES / NO _____

Page: _____ of: _____

June 09, 2020

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT MONTHLY 5/27
Pace Project No.: 70132227

Dear Kaitlyn Crosby:

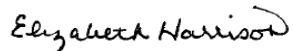
Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Kaitlyn Crosby, P.W. Grosser Engineer & Hydrogeologist



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

Sample: SYS-EFF	Lab ID: 70132227001	Collected: 05/27/20 09:40	Received: 05/27/20 10:27	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	108	ug/L	100	1	06/04/20 11:07	06/08/20 13:58	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		05/28/20 16:07	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		05/28/20 16:07	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/28/20 16:07	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		05/28/20 16:07	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		05/28/20 16:07	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		05/28/20 16:07	78-93-3	CL
Carbon disulfide	<1.0	ug/L	1.0	1		05/28/20 16:07	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/28/20 16:07	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		05/28/20 16:07	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		05/28/20 16:07	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		05/28/20 16:07	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		05/28/20 16:07	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		05/28/20 16:07	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:07	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:07	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		05/28/20 16:07	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/28/20 16:07	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/28/20 16:07	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/28/20 16:07	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/28/20 16:07	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		05/28/20 16:07	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		05/28/20 16:07	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		05/28/20 16:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		05/28/20 16:07	108-10-1	
Styrene	<1.0	ug/L	1.0	1		05/28/20 16:07	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/28/20 16:07	79-34-5	
Tetrachloroethene	2.3	ug/L	1.0	1		05/28/20 16:07	127-18-4	
Toluene	<1.0	ug/L	1.0	1		05/28/20 16:07	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:07	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:07	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		05/28/20 16:07	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		05/28/20 16:07	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		05/28/20 16:07	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	68-153	1		05/28/20 16:07	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		05/28/20 16:07	460-00-4	
Toluene-d8 (S)	91	%	69-124	1		05/28/20 16:07	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	7.6	Std. Units	0.10	1		05/28/20 17:07		H3,H6
Temperature, Water (C)	21.5	deg C	0.10	1		05/28/20 17:07		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

Sample: SYS-INF	Lab ID: 70132227002	Collected: 05/27/20 09:50	Received: 05/27/20 10:27	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	231	ug/L	100	1	06/04/20 11:07	06/08/20 14:03	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		05/28/20 16:27	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		05/28/20 16:27	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/28/20 16:27	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		05/28/20 16:27	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		05/28/20 16:27	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		05/28/20 16:27	78-93-3	CL
Carbon disulfide	<1.0	ug/L	1.0	1		05/28/20 16:27	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/28/20 16:27	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		05/28/20 16:27	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		05/28/20 16:27	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		05/28/20 16:27	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		05/28/20 16:27	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		05/28/20 16:27	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:27	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:27	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		05/28/20 16:27	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/28/20 16:27	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/28/20 16:27	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/28/20 16:27	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/28/20 16:27	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		05/28/20 16:27	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		05/28/20 16:27	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		05/28/20 16:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		05/28/20 16:27	108-10-1	
Styrene	<1.0	ug/L	1.0	1		05/28/20 16:27	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/28/20 16:27	79-34-5	
Tetrachloroethene	1240	ug/L	20.0	20		05/28/20 17:25	127-18-4	
Toluene	<1.0	ug/L	1.0	1		05/28/20 16:27	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:27	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:27	79-00-5	
Trichloroethene	16.8	ug/L	1.0	1		05/28/20 16:27	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		05/28/20 16:27	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		05/28/20 16:27	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		05/28/20 16:27	17060-07-0	
4-Bromofluorobenzene (S)	113	%	79-124	1		05/28/20 16:27	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		05/28/20 16:27	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.1	Std. Units	0.10	1		05/28/20 17:07		H3,H6
Temperature, Water (C)	21.4	deg C	0.10	1		05/28/20 17:07		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

Sample: MAG	Lab ID: 70132227003	Collected: 05/27/20 10:00	Received: 05/27/20 10:27	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	103	ug/L	100	1	06/04/20 11:07	06/08/20 14:08	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		05/28/20 16:46	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		05/28/20 16:46	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/28/20 16:46	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		05/28/20 16:46	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		05/28/20 16:46	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		05/28/20 16:46	78-93-3	CL
Carbon disulfide	<1.0	ug/L	1.0	1		05/28/20 16:46	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/28/20 16:46	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		05/28/20 16:46	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		05/28/20 16:46	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		05/28/20 16:46	67-66-3	
Chloromethane	4.9	ug/L	1.0	1		05/28/20 16:46	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		05/28/20 16:46	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:46	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:46	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		05/28/20 16:46	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/28/20 16:46	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/28/20 16:46	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/28/20 16:46	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/28/20 16:46	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		05/28/20 16:46	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		05/28/20 16:46	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		05/28/20 16:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		05/28/20 16:46	108-10-1	
Styrene	<1.0	ug/L	1.0	1		05/28/20 16:46	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/28/20 16:46	79-34-5	
Tetrachloroethene	843	ug/L	10.0	10		05/28/20 17:46	127-18-4	
Toluene	<1.0	ug/L	1.0	1		05/28/20 16:46	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:46	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/28/20 16:46	79-00-5	
Trichloroethene	5.1	ug/L	1.0	1		05/28/20 16:46	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		05/28/20 16:46	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		05/28/20 16:46	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	68-153	1		05/28/20 16:46	17060-07-0	
4-Bromofluorobenzene (S)	107	%	79-124	1		05/28/20 16:46	460-00-4	
Toluene-d8 (S)	86	%	69-124	1		05/28/20 16:46	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.0	Std. Units	0.10	1		05/28/20 17:07		H3,H6
Temperature, Water (C)	21.0	deg C	0.10	1		05/28/20 17:07		H3,H6

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

Sample: UG	Lab ID: 70132227004	Collected: 05/27/20 10:10	Received: 05/27/20 10:27	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	2370	ug/L	100	1	06/04/20 11:07	06/08/20 14:14	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		05/28/20 17:06	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		05/28/20 17:06	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/28/20 17:06	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		05/28/20 17:06	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		05/28/20 17:06	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		05/28/20 17:06	78-93-3	CL
Carbon disulfide	<1.0	ug/L	1.0	1		05/28/20 17:06	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/28/20 17:06	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		05/28/20 17:06	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		05/28/20 17:06	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		05/28/20 17:06	67-66-3	
Chloromethane	5.8	ug/L	1.0	1		05/28/20 17:06	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		05/28/20 17:06	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/28/20 17:06	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		05/28/20 17:06	107-06-2	
1,2-Dichloroethene (Total)	3.0	ug/L	2.0	1		05/28/20 17:06	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/28/20 17:06	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/28/20 17:06	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/28/20 17:06	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/28/20 17:06	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		05/28/20 17:06	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		05/28/20 17:06	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		05/28/20 17:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		05/28/20 17:06	108-10-1	
Styrene	<1.0	ug/L	1.0	1		05/28/20 17:06	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/28/20 17:06	79-34-5	
Tetrachloroethene	1720	ug/L	20.0	20		05/28/20 18:06	127-18-4	
Toluene	<1.0	ug/L	1.0	1		05/28/20 17:06	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		05/28/20 17:06	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/28/20 17:06	79-00-5	
Trichloroethene	35.6	ug/L	1.0	1		05/28/20 17:06	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		05/28/20 17:06	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		05/28/20 17:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	68-153	1		05/28/20 17:06	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		05/28/20 17:06	460-00-4	
Toluene-d8 (S)	87	%	69-124	1		05/28/20 17:06	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.3	Std. Units	0.10	1		05/28/20 17:07		H3,H6
Temperature, Water (C)	21.3	deg C	0.10	1		05/28/20 17:07		H3,H6

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 5/27
Pace Project No.: 70132227

QC Batch: 163305 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70132227001, 70132227002, 70132227003, 70132227004

METHOD BLANK: 786885 Matrix: Water
Associated Lab Samples: 70132227001, 70132227002, 70132227003, 70132227004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	06/08/20 13:47	

LABORATORY CONTROL SAMPLE: 786886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2110	105	85-115	

MATRIX SPIKE SAMPLE: 786888

Parameter	Units	70132607001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	648	2000	3240	129	70-130	

MATRIX SPIKE SAMPLE: 786890

Parameter	Units	70132607002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	4440	2000	9250	240	70-130	M1

SAMPLE DUPLICATE: 786887

Parameter	Units	70132607001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	648	1060	48	D6

SAMPLE DUPLICATE: 786889

Parameter	Units	70132607002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	4440	5560	22	D6

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 5/27
Pace Project No.: 70132227

QC Batch: 162386 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70132227001, 70132227002, 70132227003, 70132227004

METHOD BLANK: 782152 Matrix: Water
Associated Lab Samples: 70132227001, 70132227002, 70132227003, 70132227004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	05/28/20 14:31	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	05/28/20 14:31	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	05/28/20 14:31	
1,1-Dichloroethane	ug/L	<1.0	1.0	05/28/20 14:31	
1,1-Dichloroethene	ug/L	<1.0	1.0	05/28/20 14:31	
1,2-Dichloroethane	ug/L	<1.0	1.0	05/28/20 14:31	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	05/28/20 14:31	
1,2-Dichloropropane	ug/L	<1.0	1.0	05/28/20 14:31	
2-Butanone (MEK)	ug/L	<5.0	5.0	05/28/20 14:31	CL
2-Hexanone	ug/L	<5.0	5.0	05/28/20 14:31	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	05/28/20 14:31	
Acetone	ug/L	<5.0	5.0	05/28/20 14:31	IC
Benzene	ug/L	<0.70	0.70	05/28/20 14:31	
Bromodichloromethane	ug/L	<1.0	1.0	05/28/20 14:31	
Bromoform	ug/L	<1.0	1.0	05/28/20 14:31	
Bromomethane	ug/L	<1.0	1.0	05/28/20 14:31	
Carbon disulfide	ug/L	<1.0	1.0	05/28/20 14:31	
Carbon tetrachloride	ug/L	<1.0	1.0	05/28/20 14:31	
Chlorobenzene	ug/L	<1.0	1.0	05/28/20 14:31	
Chloroethane	ug/L	<1.0	1.0	05/28/20 14:31	
Chloroform	ug/L	<1.0	1.0	05/28/20 14:31	
Chloromethane	ug/L	<1.0	1.0	05/28/20 14:31	CL
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	05/28/20 14:31	
Dibromochloromethane	ug/L	<1.0	1.0	05/28/20 14:31	
Ethylbenzene	ug/L	<1.0	1.0	05/28/20 14:31	
Methylene Chloride	ug/L	<1.0	1.0	05/28/20 14:31	
Styrene	ug/L	<1.0	1.0	05/28/20 14:31	
Tetrachloroethene	ug/L	<1.0	1.0	05/28/20 14:31	
Toluene	ug/L	<1.0	1.0	05/28/20 14:31	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	05/28/20 14:31	
Trichloroethene	ug/L	<1.0	1.0	05/28/20 14:31	
Vinyl chloride	ug/L	<1.0	1.0	05/28/20 14:31	
Xylene (Total)	ug/L	<3.0	3.0	05/28/20 14:31	
1,2-Dichloroethane-d4 (S)	%	102	68-153	05/28/20 14:31	
4-Bromofluorobenzene (S)	%	109	79-124	05/28/20 14:31	
Toluene-d8 (S)	%	98	69-124	05/28/20 14:31	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 5/27
Pace Project No.: 70132227

LABORATORY CONTROL SAMPLE: 782153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.9	102	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	45.1	90	74-121	
1,1,2-Trichloroethane	ug/L	50	46.1	92	80-117	
1,1-Dichloroethane	ug/L	50	44.2	88	83-151	
1,1-Dichloroethene	ug/L	50	52.8	106	45-146	
1,2-Dichloroethane	ug/L	50	47.5	95	74-129	
1,2-Dichloroethene (Total)	ug/L	100	91.6	92	60-140	
1,2-Dichloropropane	ug/L	50	43.7	87	75-117	
2-Butanone (MEK)	ug/L	50	35.7	71	44-162	CL
2-Hexanone	ug/L	50	45.2	90	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	45.2	90	69-132	
Acetone	ug/L	50	49.6	99	23-188	IC
Benzene	ug/L	50	45.9	92	73-119	
Bromodichloromethane	ug/L	50	54.3	109	78-117	
Bromoform	ug/L	50	48.8	98	65-122	
Bromomethane	ug/L	50	43.8	88	52-147	
Carbon disulfide	ug/L	50	55.3	111	41-144	
Carbon tetrachloride	ug/L	50	53.4	107	59-120	
Chlorobenzene	ug/L	50	44.0	88	75-113	
Chloroethane	ug/L	50	48.2	96	49-151	
Chloroform	ug/L	50	46.8	94	72-122	
Chloromethane	ug/L	50	31.8	64	46-144	CL
cis-1,3-Dichloropropene	ug/L	50	52.3	105	78-116	
Dibromochloromethane	ug/L	50	53.7	107	70-120	
Ethylbenzene	ug/L	50	45.7	91	70-113	
Methylene Chloride	ug/L	50	48.0	96	61-142	
Styrene	ug/L	50	55.0	110	72-118	
Tetrachloroethene	ug/L	50	44.9	90	60-128	
Toluene	ug/L	50	50.6	101	72-119	
trans-1,3-Dichloropropene	ug/L	50	47.8	96	79-116	
Trichloroethene	ug/L	50	47.3	95	69-117	
Vinyl chloride	ug/L	50	46.5	93	43-143	
Xylene (Total)	ug/L	150	153	102	71-109	
1,2-Dichloroethane-d4 (S)	%			101	68-153	
4-Bromofluorobenzene (S)	%			115	79-124	
Toluene-d8 (S)	%			92	69-124	

MATRIX SPIKE SAMPLE: 782881

Parameter	Units	70132227001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	49.6	99	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	43.8	88	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	45.6	91	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	43.5	87	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	46.9	94	45-146	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

MATRIX SPIKE SAMPLE: 782881

Parameter	Units	70132227001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	46.1	92	74-129	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	91.2	91	60-140	
1,2-Dichloropropane	ug/L	<1.0	50	43.5	87	75-117	
2-Butanone (MEK)	ug/L	<5.0	50	30.8	62	44-162	CL
2-Hexanone	ug/L	<5.0	50	35.9	72	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	44.0	88	69-132	
Acetone	ug/L	<5.0	50	44.7	89	23-188	IC
Benzene	ug/L	<0.70	50	46.0	92	73-119	
Bromodichloromethane	ug/L	<1.0	50	49.1	98	78-117	
Bromoform	ug/L	<1.0	50	38.1	76	65-122	
Bromomethane	ug/L	<1.0	50	35.7	71	52-147	
Carbon disulfide	ug/L	<1.0	50	46.7	93	41-144	
Carbon tetrachloride	ug/L	<1.0	50	48.6	97	59-120	
Chlorobenzene	ug/L	<1.0	50	43.1	86	75-113	
Chloroethane	ug/L	<1.0	50	40.5	81	49-151	
Chloroform	ug/L	<1.0	50	45.8	92	72-122	
Chloromethane	ug/L	<1.0	50	29.9	60	46-144	CL
cis-1,3-Dichloropropene	ug/L	<1.0	50	48.2	96	78-116	
Dibromochloromethane	ug/L	<1.0	50	43.6	87	70-120	
Ethylbenzene	ug/L	<1.0	50	45.5	91	70-113	
Methylene Chloride	ug/L	<1.0	50	48.7	97	61-142	
Styrene	ug/L	<1.0	50	50.3	101	72-118	
Tetrachloroethene	ug/L	2.3	50	43.7	83	60-128	
Toluene	ug/L	<1.0	50	48.0	96	72-119	
trans-1,3-Dichloropropene	ug/L	<1.0	50	42.9	86	79-116	
Trichloroethene	ug/L	<1.0	50	46.7	93	69-117	
Vinyl chloride	ug/L	<1.0	50	44.2	88	43-143	
Xylene (Total)	ug/L	<3.0	150	141	94	71-109	
1,2-Dichloroethane-d4 (S)	%					103	68-153
4-Bromofluorobenzene (S)	%					109	79-124
Toluene-d8 (S)	%					86	69-124

SAMPLE DUPLICATE: 782880

Parameter	Units	70132220003 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	<2.0	<2.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		CL
2-Hexanone	ug/L	<5.0	<5.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

SAMPLE DUPLICATE: 782880

Parameter	Units	70132220003 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		IC
Benzene	ug/L	<1.0	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		CL
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	104	107		
4-Bromofluorobenzene (S)	%	101	107		
Toluene-d8 (S)	%	86	90		

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

QC Batch:	162390	Analysis Method:	SM22 4500-H+B
QC Batch Method:	SM22 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70132227001, 70132227002, 70132227003, 70132227004

SAMPLE DUPLICATE: 782163

Parameter	Units	70131863003 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	5.1	5.1		0 H3,H6
Temperature, Water (C)	deg C	8.2	8.3		1 H3,H6

SAMPLE DUPLICATE: 782164

Parameter	Units	70132348002 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.6	7.4		3 H3,H6
Temperature, Water (C)	deg C	21.5	20.9		3 H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT MONTHLY 5/27

Pace Project No.: 70132227

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70132227001	SYS-EFF	EPA 200.7	163305	EPA 200.7	163315
70132227002	SYS-INF	EPA 200.7	163305	EPA 200.7	163315
70132227003	MAG	EPA 200.7	163305	EPA 200.7	163315
70132227004	UG	EPA 200.7	163305	EPA 200.7	163315
70132227001	SYS-EFF	EPA 8260C/5030C	162386		
70132227002	SYS-INF	EPA 8260C/5030C	162386		
70132227003	MAG	EPA 8260C/5030C	162386		
70132227004	UG	EPA 8260C/5030C	162386		
70132227001	SYS-EFF	SM22 4500-H+B	162390		
70132227002	SYS-INF	SM22 4500-H+B	162390		
70132227003	MAG	SM22 4500-H+B	162390		
70132227004	UG	SM22 4500-H+B	162390		

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CHAIN-OF-CUSTODY / Analytical Request
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields m

WO# : 70132227

Section A
Required Client Information:
 Company: P W. Grosser Engineer & Hydrogeologist
 Address: 630 Johnson Avenue Bohemia, NY 11716
 Email: krosby@pwgros.com | Fax: (631) 589-6353
 Requested Due Date: Standard

Section B
Required Project Information:
 Report To: Kaitlyn Crosby
 Copy To: _____
 Purchase Order #: _____
 Project Name: MINMILT MONTHLY
 Project #: MIN1001

Section C
Invoice Information:
 Attention: *Same as client*
 Company Name: _____
 Address: _____
 Pace Quote: _____
 Pace Project Manager: bety.harrison@pacelabs.com.
 Pace Profile #: 5392
 State / Location: NY
 Regulatory Agency: _____

ITEM #	MATRIX CODE Drinking Water: DW Waste Water: WW Product: P Soil/Solid: SL Oil: OL Wipe: WP Air: AR Other: OT Tissue: TS	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							ANALYSES TEST Y/N	REQUESTED ANALYSIS		TEMP IN C	RECEIVED ON	Ice (Y/N)	CUSTODY (Y/N)	Sealed Cooler (Y/N)	Samples Intact (Y/N)															
			DATE	TIME			DATE	TIME	UNPRESERVED	H2SO4	HNO3	HCl	NaOH		Na2S2O3	Methanol							Other	2007 ICP Metals	4500H+B pH	8260 Full List	DATE	TIME									
1	SYS-EFF	WT G	5-27-20	0940	5A	X	X	X	X	X	X	X	X	X	X	X	X	5/27/20	10:37	1.8	W	N	Y														
2	SYS-INF	WT		0950																																	
3	MAG			1000																																	
4	UG			1010																																	
5																																					
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					

ADDITIONAL COMMENTS
Milly Pwoc

RELINQUISHED BY / AFFILIATION
DATE: 5-27-20 TIME: 1026
[Signature]

ACCEPTED BY / AFFILIATION
DATE: 5/27/20 TIME: 10:37
[Signature]

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: *Kaitlyn Crosby*
 SIGNATURE of SAMPLER: *[Signature]*
 DATE Signed: 05/27/2020

Sample Condition Upon Receipt



WO#: 70132227

Due Date: 06/10/20

Client Name: P.W. Grosser

PM: EMH
CLIENT: PWG

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____
Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Temperature Blank Present: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Wet Blue None

Thermometer Used: TH091

Correction Factor: +0.2 2.0

Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.8

Cooler Temperature Corrected (°C): 2.0

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

Date and Initials of person examining contents: JT 5/27/20

USDA Regulated Soil (N/A, water sample)

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Note if sediment is visible in the dissolved container.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
-Includes date/time/ID/Analysis Matrix SL WT OIL	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sample #
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
pH paper Lot # <u>Heagay032</u>		
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Samples checked for dechlorination: KI starch test strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Residual chlorine strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____		

Field Data Required? Y / N

Date/Time: _____

Client Notification/ Resolution: _____

Person Contacted: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

November 30, 2020

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT MONTHLY 11/12
Pace Project No.: 70153252

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on November 12, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Sample: SYS-EFF	Lab ID: 70153252001	Collected: 11/12/20 16:10	Received: 11/12/20 16:46	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	581	ug/L	100	1	11/25/20 12:49	11/30/20 11:27	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		11/20/20 21:03	67-64-1	v3
Benzene	<0.70	ug/L	0.70	1		11/20/20 21:03	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/20/20 21:03	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/20/20 21:03	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/20/20 21:03	74-83-9	v3
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/20/20 21:03	78-93-3	
Carbon disulfide	<1.0	ug/L	1.0	1		11/20/20 21:03	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/20/20 21:03	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/20/20 21:03	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/20/20 21:03	75-00-3	v3
Chloroform	<1.0	ug/L	1.0	1		11/20/20 21:03	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		11/20/20 21:03	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/20/20 21:03	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 21:03	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 21:03	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		11/20/20 21:03	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/20/20 21:03	75-35-4	v3
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/20/20 21:03	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 21:03	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 21:03	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/20/20 21:03	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		11/20/20 21:03	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		11/20/20 21:03	75-09-2	v3
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/20/20 21:03	108-10-1	
Styrene	<1.0	ug/L	1.0	1		11/20/20 21:03	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/20/20 21:03	79-34-5	
Tetrachloroethene	4.8	ug/L	1.0	1		11/20/20 21:03	127-18-4	D6
Toluene	<1.0	ug/L	1.0	1		11/20/20 21:03	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 21:03	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 21:03	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		11/20/20 21:03	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		11/20/20 21:03	75-01-4	v3
Xylene (Total)	<3.0	ug/L	3.0	1		11/20/20 21:03	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	68-153	1		11/20/20 21:03	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		11/20/20 21:03	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		11/20/20 21:03	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	6.9	Std. Units	0.10	1		11/13/20 09:10		H3,H6
Temperature, Water (C)	19.0	deg C	0.10	1		11/13/20 09:10		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Sample: SYS-EFF		Lab ID: 70153252001	Collected: 11/12/20 16:10	Received: 11/12/20 16:46	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	6.2	mg/L	1.0	1		11/25/20 09:19	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Sample: SYS-INF	Lab ID: 70153252002	Collected: 11/12/20 16:15	Received: 11/12/20 16:46	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	1070	ug/L	100	1	11/25/20 12:49	11/30/20 11:30	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		11/20/20 20:23	67-64-1	v3
Benzene	<0.70	ug/L	0.70	1		11/20/20 20:23	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/20/20 20:23	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/20/20 20:23	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/20/20 20:23	74-83-9	v3
2-Butanone (MEK)	5.3	ug/L	5.0	1		11/20/20 20:23	78-93-3	
Carbon disulfide	<1.0	ug/L	1.0	1		11/20/20 20:23	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/20/20 20:23	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/20/20 20:23	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/20/20 20:23	75-00-3	v3
Chloroform	<1.0	ug/L	1.0	1		11/20/20 20:23	67-66-3	
Chloromethane	6.4	ug/L	1.0	1		11/20/20 20:23	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/20/20 20:23	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 20:23	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 20:23	107-06-2	
1,2-Dichloroethene (Total)	5.5	ug/L	2.0	1		11/20/20 20:23	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/20/20 20:23	75-35-4	v3
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/20/20 20:23	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 20:23	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 20:23	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/20/20 20:23	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		11/20/20 20:23	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		11/20/20 20:23	75-09-2	v3
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/20/20 20:23	108-10-1	
Styrene	<1.0	ug/L	1.0	1		11/20/20 20:23	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/20/20 20:23	79-34-5	
Tetrachloroethene	1850	ug/L	30.0	30		11/21/20 17:43	127-18-4	
Toluene	<1.0	ug/L	1.0	1		11/20/20 20:23	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 20:23	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 20:23	79-00-5	
Trichloroethene	97.0	ug/L	1.0	1		11/20/20 20:23	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		11/20/20 20:23	75-01-4	v3
Xylene (Total)	<3.0	ug/L	3.0	1		11/20/20 20:23	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	68-153	1		11/20/20 20:23	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		11/20/20 20:23	460-00-4	
Toluene-d8 (S)	96	%	69-124	1		11/20/20 20:23	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	5.8	Std. Units	0.10	1		11/13/20 09:13		H3,H6
Temperature, Water (C)	18.1	deg C	0.10	1		11/13/20 09:13		H3,H6

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Sample: SYS-INF	Lab ID: 70153252002	Collected: 11/12/20 16:15	Received: 11/12/20 16:46	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC								
Analytical Method: SM22 5310B								
Pace Analytical Services - Melville								
Total Organic Carbon	5.2	mg/L	1.0	1		11/25/20 09:30	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Sample: UG	Lab ID: 70153252003	Collected: 11/12/20 16:25	Received: 11/12/20 16:46	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	6680	ug/L	100	1	11/25/20 12:49	11/30/20 11:32	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		11/20/20 22:24	67-64-1	v3
Benzene	<0.70	ug/L	0.70	1		11/20/20 22:24	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/20/20 22:24	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/20/20 22:24	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/20/20 22:24	74-83-9	v3
2-Butanone (MEK)	10.6	ug/L	5.0	1		11/20/20 22:24	78-93-3	
Carbon disulfide	<1.0	ug/L	1.0	1		11/20/20 22:24	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/20/20 22:24	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/20/20 22:24	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/20/20 22:24	75-00-3	v3
Chloroform	1.2	ug/L	1.0	1		11/20/20 22:24	67-66-3	
Chloromethane	8.4	ug/L	1.0	1		11/20/20 22:24	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/20/20 22:24	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 22:24	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 22:24	107-06-2	
1,2-Dichloroethene (Total)	10.4	ug/L	2.0	1		11/20/20 22:24	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/20/20 22:24	75-35-4	v3
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/20/20 22:24	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 22:24	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 22:24	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/20/20 22:24	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		11/20/20 22:24	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		11/20/20 22:24	75-09-2	v3
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/20/20 22:24	108-10-1	
Styrene	<1.0	ug/L	1.0	1		11/20/20 22:24	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/20/20 22:24	79-34-5	
Tetrachloroethene	1750	ug/L	30.0	30		11/21/20 17:04	127-18-4	
Toluene	<1.0	ug/L	1.0	1		11/20/20 22:24	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 22:24	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 22:24	79-00-5	
Trichloroethene	153	ug/L	30.0	30		11/21/20 17:04	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		11/20/20 22:24	75-01-4	v3
Xylene (Total)	<3.0	ug/L	3.0	1		11/20/20 22:24	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		11/20/20 22:24	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		11/20/20 22:24	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		11/20/20 22:24	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	6.0	Std. Units	0.10	1		11/13/20 09:16		H3,H6
Temperature, Water (C)	19.1	deg C	0.10	1		11/13/20 09:16		H3,H6

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Sample: UG	Lab ID: 70153252003	Collected: 11/12/20 16:25	Received: 11/12/20 16:46	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC								
Analytical Method: SM22 5310B								
Pace Analytical Services - Melville								
Total Organic Carbon	8.3	mg/L	1.0	1		11/25/20 09:42	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12
Pace Project No.: 70153252

Sample: MAG	Lab ID: 70153252004	Collected: 11/12/20 16:20	Received: 11/12/20 16:46	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	566	ug/L	100	1	11/25/20 12:49	11/30/20 11:34	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		11/20/20 22:44	67-64-1	v3
Benzene	<0.70	ug/L	0.70	1		11/20/20 22:44	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/20/20 22:44	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/20/20 22:44	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/20/20 22:44	74-83-9	v3
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/20/20 22:44	78-93-3	
Carbon disulfide	<1.0	ug/L	1.0	1		11/20/20 22:44	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/20/20 22:44	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/20/20 22:44	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/20/20 22:44	75-00-3	v3
Chloroform	<1.0	ug/L	1.0	1		11/20/20 22:44	67-66-3	
Chloromethane	17.9	ug/L	1.0	1		11/20/20 22:44	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/20/20 22:44	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 22:44	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 22:44	107-06-2	
1,2-Dichloroethene (Total)	2.2	ug/L	2.0	1		11/20/20 22:44	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/20/20 22:44	75-35-4	v3
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/20/20 22:44	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 22:44	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 22:44	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/20/20 22:44	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		11/20/20 22:44	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		11/20/20 22:44	75-09-2	v3
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/20/20 22:44	108-10-1	
Styrene	<1.0	ug/L	1.0	1		11/20/20 22:44	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/20/20 22:44	79-34-5	
Tetrachloroethene	1300	ug/L	30.0	30		11/21/20 17:23	127-18-4	
Toluene	<1.0	ug/L	1.0	1		11/20/20 22:44	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 22:44	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 22:44	79-00-5	
Trichloroethene	15.3	ug/L	1.0	1		11/20/20 22:44	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		11/20/20 22:44	75-01-4	v3
Xylene (Total)	<3.0	ug/L	3.0	1		11/20/20 22:44	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	68-153	1		11/20/20 22:44	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		11/20/20 22:44	460-00-4	
Toluene-d8 (S)	96	%	69-124	1		11/20/20 22:44	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	5.6	Std. Units	0.10	1		11/13/20 09:14		H3,H6
Temperature, Water (C)	18.2	deg C	0.10	1		11/13/20 09:14		H3,H6

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Sample: MAG		Lab ID: 70153252004	Collected: 11/12/20 16:20	Received: 11/12/20 16:46	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	3.4	mg/L	1.0	1		11/25/20 09:53	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Sample: MW-8	Lab ID: 70153252005	Collected: 11/12/20 14:35	Received: 11/12/20 16:46	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		11/23/20 18:16	67-64-1	
Benzene	<0.70	ug/L	0.70	1		11/23/20 18:16	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/20 18:16	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/23/20 18:16	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/23/20 18:16	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/20 18:16	78-93-3	
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/20 18:16	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/20 18:16	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/20 18:16	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/23/20 18:16	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		11/23/20 18:16	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		11/23/20 18:16	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/20 18:16	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/20 18:16	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/20 18:16	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		11/23/20 18:16	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/20 18:16	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/20 18:16	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/20 18:16	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/20 18:16	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/20 18:16	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		11/23/20 18:16	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/20 18:16	75-09-2	v3
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/20 18:16	108-10-1	
Styrene	<1.0	ug/L	1.0	1		11/23/20 18:16	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/20 18:16	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/20 18:16	127-18-4	
Toluene	<1.0	ug/L	1.0	1		11/23/20 18:16	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/20 18:16	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/20 18:16	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		11/23/20 18:16	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/20 18:16	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/20 18:16	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	68-153	1		11/23/20 18:16	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		11/23/20 18:16	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		11/23/20 18:16	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	4.7	mg/L	1.0	1		11/25/20 10:04	7440-44-0	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Sample: MW-9	Lab ID: 70153252006	Collected: 11/12/20 13:30	Received: 11/12/20 16:46	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<5.0	ug/L	5.0	1		11/20/20 23:23	67-64-1	v3
Benzene	<0.70	ug/L	0.70	1		11/20/20 23:23	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/20/20 23:23	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/20/20 23:23	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/20/20 23:23	74-83-9	v3
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/20/20 23:23	78-93-3	
Carbon disulfide	<1.0	ug/L	1.0	1		11/20/20 23:23	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/20/20 23:23	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/20/20 23:23	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/20/20 23:23	75-00-3	v3
Chloroform	<1.0	ug/L	1.0	1		11/20/20 23:23	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		11/20/20 23:23	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/20/20 23:23	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 23:23	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/20/20 23:23	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		11/20/20 23:23	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/20/20 23:23	75-35-4	v3
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/20/20 23:23	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 23:23	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/20 23:23	10061-02-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/20/20 23:23	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		11/20/20 23:23	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		11/20/20 23:23	75-09-2	v3
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/20/20 23:23	108-10-1	
Styrene	<1.0	ug/L	1.0	1		11/20/20 23:23	100-42-5	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/20/20 23:23	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		11/20/20 23:23	127-18-4	
Toluene	<1.0	ug/L	1.0	1		11/20/20 23:23	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 23:23	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/20/20 23:23	79-00-5	
Trichloroethene	2.5	ug/L	1.0	1		11/20/20 23:23	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		11/20/20 23:23	75-01-4	v3
Xylene (Total)	<3.0	ug/L	3.0	1		11/20/20 23:23	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		11/20/20 23:23	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		11/20/20 23:23	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		11/20/20 23:23	2037-26-5	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville						
Total Organic Carbon	4.1	mg/L	1.0	1		11/25/20 10:15	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12
Pace Project No.: 70153252

QC Batch: 187333 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70153252001, 70153252002, 70153252003, 70153252004

METHOD BLANK: 918831 Matrix: Water
Associated Lab Samples: 70153252001, 70153252002, 70153252003, 70153252004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	11/30/20 10:40	

LABORATORY CONTROL SAMPLE: 918832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	1950	98	85-115	

MATRIX SPIKE SAMPLE: 918834

Parameter	Units	70153146001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	2000	2030	101	70-130	

MATRIX SPIKE SAMPLE: 918836

Parameter	Units	70153147001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	3280	2000	5150	93	70-130	

SAMPLE DUPLICATE: 918833

Parameter	Units	70153146001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

SAMPLE DUPLICATE: 918835

Parameter	Units	70153147001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	3280	3390	3	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

QC Batch:	186790	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70153252001, 70153252002, 70153252003, 70153252004, 70153252006

METHOD BLANK: 915303

Matrix: Water

Associated Lab Samples: 70153252001, 70153252002, 70153252003, 70153252004, 70153252006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/20/20 16:47	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/20/20 16:47	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/20/20 16:47	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/20/20 16:47	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/20/20 16:47	v3
1,2-Dichloroethane	ug/L	<1.0	1.0	11/20/20 16:47	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	11/20/20 16:47	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/20/20 16:47	
2-Butanone (MEK)	ug/L	<5.0	5.0	11/20/20 16:47	
2-Hexanone	ug/L	<5.0	5.0	11/20/20 16:47	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	11/20/20 16:47	
Acetone	ug/L	<5.0	5.0	11/20/20 16:47	v3
Benzene	ug/L	<0.70	0.70	11/20/20 16:47	
Bromodichloromethane	ug/L	<1.0	1.0	11/20/20 16:47	
Bromoform	ug/L	<1.0	1.0	11/20/20 16:47	
Bromomethane	ug/L	<1.0	1.0	11/20/20 16:47	v3
Carbon disulfide	ug/L	<1.0	1.0	11/20/20 16:47	
Carbon tetrachloride	ug/L	<1.0	1.0	11/20/20 16:47	
Chlorobenzene	ug/L	<1.0	1.0	11/20/20 16:47	
Chloroethane	ug/L	<1.0	1.0	11/20/20 16:47	v3
Chloroform	ug/L	<1.0	1.0	11/20/20 16:47	
Chloromethane	ug/L	<1.0	1.0	11/20/20 16:47	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/20/20 16:47	
Dibromochloromethane	ug/L	<1.0	1.0	11/20/20 16:47	
Ethylbenzene	ug/L	<1.0	1.0	11/20/20 16:47	
Methylene Chloride	ug/L	<1.0	1.0	11/20/20 16:47	v3
Styrene	ug/L	<1.0	1.0	11/20/20 16:47	
Tetrachloroethene	ug/L	<1.0	1.0	11/20/20 16:47	
Toluene	ug/L	<1.0	1.0	11/20/20 16:47	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/20/20 16:47	
Trichloroethene	ug/L	<1.0	1.0	11/20/20 16:47	
Vinyl chloride	ug/L	<1.0	1.0	11/20/20 16:47	v3
Xylene (Total)	ug/L	<3.0	3.0	11/20/20 16:47	
1,2-Dichloroethane-d4 (S)	%	102	68-153	11/20/20 16:47	
4-Bromofluorobenzene (S)	%	102	79-124	11/20/20 16:47	
Toluene-d8 (S)	%	95	69-124	11/20/20 16:47	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

LABORATORY CONTROL SAMPLE: 915304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.2	84	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	74-121	
1,1,2-Trichloroethane	ug/L	50	51.6	103	80-117	
1,1-Dichloroethane	ug/L	50	43.9	88	83-151	
1,1-Dichloroethene	ug/L	50	34.4	69	45-146	v3
1,2-Dichloroethane	ug/L	50	44.6	89	74-129	
1,2-Dichloroethene (Total)	ug/L	100	78.4	78	60-140	
1,2-Dichloropropane	ug/L	50	51.2	102	75-117	
2-Butanone (MEK)	ug/L	50	58.4	117	44-162	
2-Hexanone	ug/L	50	62.9	126	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	61.0	122	69-132	
Acetone	ug/L	50	39.5	79	23-188	v3
Benzene	ug/L	50	45.1	90	73-119	
Bromodichloromethane	ug/L	50	46.7	93	78-117	
Bromoform	ug/L	50	35.4	71	65-122	
Bromomethane	ug/L	50	31.7	63	52-147	v3
Carbon disulfide	ug/L	50	39.8	80	41-144	
Carbon tetrachloride	ug/L	50	35.8	72	59-120	
Chlorobenzene	ug/L	50	42.2	84	75-113	
Chloroethane	ug/L	50	34.6	69	49-151	v3
Chloroform	ug/L	50	42.3	85	72-122	
Chloromethane	ug/L	50	39.6	79	46-144	
cis-1,3-Dichloropropene	ug/L	50	44.3	89	78-116	
Dibromochloromethane	ug/L	50	36.4	73	70-120	
Ethylbenzene	ug/L	50	39.1	78	70-113	
Methylene Chloride	ug/L	50	34.3	69	61-142	v3
Styrene	ug/L	50	45.9	92	72-118	
Tetrachloroethene	ug/L	50	38.3	77	60-128	
Toluene	ug/L	50	45.5	91	72-119	
trans-1,3-Dichloropropene	ug/L	50	43.6	87	79-116	
Trichloroethene	ug/L	50	43.8	88	69-117	
Vinyl chloride	ug/L	50	33.2	66	43-143	v3
Xylene (Total)	ug/L	150	122	81	71-109	
1,2-Dichloroethane-d4 (S)	%			101	68-153	
4-Bromofluorobenzene (S)	%			104	79-124	
Toluene-d8 (S)	%			93	69-124	

MATRIX SPIKE SAMPLE: 916259

Parameter	Units	30393807002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	47.9	96	65-118	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	40.7	81	74-121	
1,1,2-Trichloroethane	ug/L	ND	50	45.7	91	80-117	
1,1-Dichloroethane	ug/L	ND	50	45.7	91	83-151	
1,1-Dichloroethene	ug/L	ND	50	43.3	87	45-146	v3

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12
Pace Project No.: 70153252

MATRIX SPIKE SAMPLE: 916259		30393807002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	50	39.7	79	74-129	
1,2-Dichloroethene (Total)	ug/L	ND	100	84.2	84	60-140	
1,2-Dichloropropane	ug/L	ND	50	53.4	107	75-117	
2-Butanone (MEK)	ug/L	ND	50	38.2	76	44-162	
2-Hexanone	ug/L	ND	50	44.9	90	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	43.6	87	69-132	
Acetone	ug/L	ND	50	31.5	63	23-188	v3
Benzene	ug/L	ND	50	49.9	100	73-119	
Bromodichloromethane	ug/L	ND	50	43.6	87	78-117	
Bromoform	ug/L	ND	50	27.5	55	65-122	M1
Bromomethane	ug/L	ND	50	27.0	54	52-147	v3
Carbon disulfide	ug/L	ND	50	44.9	90	41-144	
Carbon tetrachloride	ug/L	ND	50	40.4	81	59-120	
Chlorobenzene	ug/L	ND	50	47.9	96	75-113	
Chloroethane	ug/L	ND	50	42.6	85	49-151	v3
Chloroform	ug/L	ND	50	43.0	86	72-122	
Chloromethane	ug/L	ND	50	45.4	91	46-144	
cis-1,3-Dichloropropene	ug/L	ND	50	40.4	81	78-116	
Dibromochloromethane	ug/L	ND	50	32.1	64	70-120	M1
Ethylbenzene	ug/L	ND	50	47.9	96	70-113	
Methylene Chloride	ug/L	ND	50	35.9	72	61-142	v3
Styrene	ug/L	ND	50	50.6	101	72-118	
Tetrachloroethene	ug/L	ND	50	48.9	98	60-128	
Toluene	ug/L	ND	50	51.2	102	72-119	
trans-1,3-Dichloropropene	ug/L	ND	50	35.8	72	79-116	M1
Trichloroethene	ug/L	ND	50	51.0	102	69-117	
Vinyl chloride	ug/L	ND	50	42.3	85	43-143	v3
Xylene (Total)	ug/L	ND	150	145	97	71-109	
1,2-Dichloroethane-d4 (S)	%				96	68-153	
4-Bromofluorobenzene (S)	%				100	79-124	
Toluene-d8 (S)	%				98	69-124	

SAMPLE DUPLICATE: 916257

Parameter	Units	70153252001	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		v3
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	<2.0	<2.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Hexanone	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

SAMPLE DUPLICATE: 916257

Parameter	Units	70153252001 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		v3
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		v3
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		v3
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		v3
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	4.8	3.5	30	D6
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		v3
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	103	101		
4-Bromofluorobenzene (S)	%	103	102		
Toluene-d8 (S)	%	97	98		

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12
Pace Project No.: 70153252

QC Batch: 187000 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70153252005

METHOD BLANK: 916854 Matrix: Water
Associated Lab Samples: 70153252005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/23/20 16:43	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/23/20 16:43	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/23/20 16:43	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/23/20 16:43	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/23/20 16:43	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/23/20 16:43	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	11/23/20 16:43	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/23/20 16:43	
2-Butanone (MEK)	ug/L	<5.0	5.0	11/23/20 16:43	
2-Hexanone	ug/L	<5.0	5.0	11/23/20 16:43	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	11/23/20 16:43	
Acetone	ug/L	<5.0	5.0	11/23/20 16:43	
Benzene	ug/L	<0.70	0.70	11/23/20 16:43	
Bromodichloromethane	ug/L	<1.0	1.0	11/23/20 16:43	
Bromoform	ug/L	<1.0	1.0	11/23/20 16:43	
Bromomethane	ug/L	<1.0	1.0	11/23/20 16:43	
Carbon disulfide	ug/L	<1.0	1.0	11/23/20 16:43	
Carbon tetrachloride	ug/L	<1.0	1.0	11/23/20 16:43	
Chlorobenzene	ug/L	<1.0	1.0	11/23/20 16:43	
Chloroethane	ug/L	<1.0	1.0	11/23/20 16:43	
Chloroform	ug/L	<1.0	1.0	11/23/20 16:43	
Chloromethane	ug/L	<1.0	1.0	11/23/20 16:43	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/20 16:43	
Dibromochloromethane	ug/L	<1.0	1.0	11/23/20 16:43	
Ethylbenzene	ug/L	<1.0	1.0	11/23/20 16:43	
Methylene Chloride	ug/L	<1.0	1.0	11/23/20 16:43	v3
Styrene	ug/L	<1.0	1.0	11/23/20 16:43	
Tetrachloroethene	ug/L	<1.0	1.0	11/23/20 16:43	
Toluene	ug/L	<1.0	1.0	11/23/20 16:43	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/20 16:43	
Trichloroethene	ug/L	<1.0	1.0	11/23/20 16:43	
Vinyl chloride	ug/L	<1.0	1.0	11/23/20 16:43	
Xylene (Total)	ug/L	<3.0	3.0	11/23/20 16:43	
1,2-Dichloroethane-d4 (S)	%	98	68-153	11/23/20 16:43	
4-Bromofluorobenzene (S)	%	102	79-124	11/23/20 16:43	
Toluene-d8 (S)	%	98	69-124	11/23/20 16:43	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

LABORATORY CONTROL SAMPLE: 916855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.7	89	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	47.9	96	74-121	
1,1,2-Trichloroethane	ug/L	50	53.0	106	80-117	
1,1-Dichloroethane	ug/L	50	46.7	93	83-151	
1,1-Dichloroethene	ug/L	50	41.2	82	45-146	
1,2-Dichloroethane	ug/L	50	44.4	89	74-129	
1,2-Dichloroethene (Total)	ug/L	100	83.7	84	60-140	
1,2-Dichloropropane	ug/L	50	55.0	110	75-117	
2-Butanone (MEK)	ug/L	50	37.4	75	44-162	
2-Hexanone	ug/L	50	55.4	111	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	57.4	115	69-132	
Acetone	ug/L	50	37.4	75	23-188	
Benzene	ug/L	50	49.5	99	73-119	
Bromodichloromethane	ug/L	50	48.7	97	78-117	
Bromoform	ug/L	50	38.9	78	65-122	
Bromomethane	ug/L	50	42.6	85	52-147	
Carbon disulfide	ug/L	50	45.0	90	41-144	
Carbon tetrachloride	ug/L	50	39.5	79	59-120	
Chlorobenzene	ug/L	50	44.4	89	75-113	
Chloroethane	ug/L	50	39.6	79	49-151	
Chloroform	ug/L	50	44.0	88	72-122	
Chloromethane	ug/L	50	49.6	99	46-144	
cis-1,3-Dichloropropene	ug/L	50	48.6	97	78-116	
Dibromochloromethane	ug/L	50	40.7	81	70-120	
Ethylbenzene	ug/L	50	40.2	80	70-113	
Methylene Chloride	ug/L	50	37.0	74	61-142 v3	
Styrene	ug/L	50	47.7	95	72-118	
Tetrachloroethene	ug/L	50	39.5	79	60-128	
Toluene	ug/L	50	46.8	94	72-119	
trans-1,3-Dichloropropene	ug/L	50	47.7	95	79-116	
Trichloroethene	ug/L	50	44.7	89	69-117	
Vinyl chloride	ug/L	50	37.7	75	43-143	
Xylene (Total)	ug/L	150	125	83	71-109	
1,2-Dichloroethane-d4 (S)	%			95	68-153	
4-Bromofluorobenzene (S)	%			99	79-124	
Toluene-d8 (S)	%			95	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 917305 917306

Parameter	70153913004		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits		
1,1,1-Trichloroethane	ug/L	<1.0	50	50	45.6	51.3	91	103	65-118	12	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	39.8	43.0	80	86	74-121	8	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	43.7	47.0	87	94	80-117	7	
1,1-Dichloroethane	ug/L	<1.0	50	50	46.9	43.0	94	86	83-151	8	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12
Pace Project No.: 70153252

Parameter	70153913004		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	MSD % Rec						
1,1-Dichloroethene	ug/L	<1.0	50	50	47.1	50.8	94	102	45-146	8				
1,2-Dichloroethane	ug/L	<1.0	50	50	39.2	41.6	78	83	74-129	6				
1,2-Dichloroethene (Total)	ug/L	<2.0	100	100	86.0	91.1	86	91	60-140	6				
1,2-Dichloropropane	ug/L	<1.0	50	50	49.6	54.6	99	109	75-117	9				
2-Butanone (MEK)	ug/L	<5.0	50	50	29.5	31.9	59	64	44-162	8				
2-Hexanone	ug/L	<5.0	50	50	44.0	47.9	88	96	32-183	8				
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	43.0	48.1	86	96	69-132	11				
Acetone	ug/L	<5.0	50	50	28.8	32.3	58	65	23-188	11				
Benzene	ug/L	<1.0	50	50	49.4	53.2	99	106	73-119	7				
Bromodichloromethane	ug/L	<1.0	50	50	40.9	47.0	82	94	78-117	14				
Bromoform	ug/L	<1.0	50	50	30.0	34.1	60	68	65-122	13 M1				
Bromomethane	ug/L	<1.0	50	50	41.6	47.2	83	94	52-147	13				
Carbon disulfide	ug/L	<1.0	50	50	45.2	50.1	90	100	41-144	10				
Carbon tetrachloride	ug/L	<1.0	50	50	40.3	47.9	81	96	59-120	17				
Chlorobenzene	ug/L	<1.0	50	50	44.7	47.7	89	95	75-113	6				
Chloroethane	ug/L	<1.0	50	50	43.2	46.3	86	93	49-151	7				
Chloroform	ug/L	2.8	50	50	45.7	48.4	86	91	72-122	6				
Chloromethane	ug/L	<1.0	50	50	49.0	51.6	98	103	46-144	5				
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	40.6	46.3	81	93	78-116	13				
Dibromochloromethane	ug/L	<1.0	50	50	32.9	37.5	66	75	70-120	13 M1				
Ethylbenzene	ug/L	<1.0	50	50	43.7	46.4	87	93	70-113	6				
Methylene Chloride	ug/L	<1.0	50	50	35.2	37.7	70	75	61-142	7 v3				
Styrene	ug/L	<1.0	50	50	47.0	50.5	94	101	72-118	7				
Tetrachloroethene	ug/L	6.5	50	50	53.1	56.2	93	99	60-128	6				
Toluene	ug/L	<1.0	50	50	46.7	50.6	93	101	72-119	8				
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	37.2	43.0	74	86	79-116	14 M1				
Trichloroethene	ug/L	<1.0	50	50	46.5	50.5	93	101	69-117	8				
Vinyl chloride	ug/L	<1.0	50	50	43.5	46.6	87	93	43-143	7				
Xylene (Total)	ug/L	<3.0	150	150	134	142	89	95	71-109	6				
1,2-Dichloroethane-d4 (S)	%						98	99	68-153					
4-Bromofluorobenzene (S)	%						102	101	79-124					
Toluene-d8 (S)	%						100	99	69-124					

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

QC Batch:	185641	Analysis Method:	SM22 4500-H+B
QC Batch Method:	SM22 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70153252001, 70153252002, 70153252003, 70153252004

SAMPLE DUPLICATE: 909486

Parameter	Units	70153134001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.6	7.7		1 H3,H6
Temperature, Water (C)	deg C	15.9	15.5		3 H3,H6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

QC Batch: 186958

Analysis Method: SM22 5310B

QC Batch Method: SM22 5310B

Analysis Description: 5310B TOC

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70153252001, 70153252002, 70153252003, 70153252004, 70153252005, 70153252006

METHOD BLANK: 916571

Matrix: Water

Associated Lab Samples: 70153252001, 70153252002, 70153252003, 70153252004, 70153252005, 70153252006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	11/24/20 13:29	

LABORATORY CONTROL SAMPLE: 916572

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.5	95	85-115	

MATRIX SPIKE SAMPLE: 916574

Parameter	Units	70153538001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L		5.1	10	14.2	91	75-125

SAMPLE DUPLICATE: 916573

Parameter	Units	30392592001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

H3 Sample was received or analysis requested beyond the recognized method holding time.

H6 Analysis initiated outside of the 15 minute EPA recommended holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

v3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT MONTHLY 11/12

Pace Project No.: 70153252

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70153252001	SYS-EFF	EPA 200.7	187333	EPA 200.7	187343
70153252002	SYS-INF	EPA 200.7	187333	EPA 200.7	187343
70153252003	UG	EPA 200.7	187333	EPA 200.7	187343
70153252004	MAG	EPA 200.7	187333	EPA 200.7	187343
70153252001	SYS-EFF	EPA 8260C/5030C	186790		
70153252002	SYS-INF	EPA 8260C/5030C	186790		
70153252003	UG	EPA 8260C/5030C	186790		
70153252004	MAG	EPA 8260C/5030C	186790		
70153252005	MW-8	EPA 8260C/5030C	187000		
70153252006	MW-9	EPA 8260C/5030C	186790		
70153252001	SYS-EFF	SM22 4500-H+B	185641		
70153252002	SYS-INF	SM22 4500-H+B	185641		
70153252003	UG	SM22 4500-H+B	185641		
70153252004	MAG	SM22 4500-H+B	185641		
70153252001	SYS-EFF	SM22 5310B	186958		
70153252002	SYS-INF	SM22 5310B	186958		
70153252003	UG	SM22 5310B	186958		
70153252004	MAG	SM22 5310B	186958		
70153252005	MW-8	SM22 5310B	186958		
70153252006	MW-9	SM22 5310B	186958		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Re

The Chain-of-Custody is a LEGAL DOCUMENT. All relev.

WO#: 70153252



Section A
Required Client Information:
 Company: P. W. Grosse Engineer & Hydrogeologist
 Address: 630 Johnson Avenue
 Bohemia, NY 11716
 Email: kcrosby@gwgrosser.com
 Phone: (631) 589-6353
 Requested Due Date: Standard

Section B
Required Project Information:
 Report To: Kaitlyn Crosby
 Copy To:
 Project Name: MINIMILT MONTHLY
 Project #: MEK100

Section C
Invoice Information:
 Attention: Same as A
 Company Name:
 Address:
 Pace Quote:
 Pace Project Manager: belly.harrison@pacelabs.com
 Pace Profile #: 5392

Regulatory Agency
 State / Location: NY

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on (Y/N)	Custody (Y/N)	Sealed Cooler (Y/N)	Intact Samples (Y/N)
			START	END												
1	SYS-EFF WT-G	G	11/2/20	16/10	11/2/20	16/10						3.9				
2	SYS-INF WT		11/2/20	16/15	11/2/20	16/15										
3	<u>UG</u>		11/2/20	16/25	11/2/20	16/25										
4	<u>MAG-8</u>		11/2/20	16/20	11/2/20	16/20										
5	<u>MW-8</u>		11/2/20	14/35	11/2/20	14/35										
6	<u>MW-9</u>		11/2/20	13/30	11/2/20	13/30										
7																
8																
9																
10																
11																
12																

Requested Analysis Filtered (Y/N)

Analyses Test	Y/N
2007 ICP Metals	X
4500H+B pH	X
8260 Full List	X
Residual Chlorine (Y/N)	

Preservatives

Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other
6	A	A	A				
4							
4							

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION: Kevin Lee PWGC 11-12-20 1645
 ACCEPTED BY / AFFILIATION: [Signature]

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Kaitlyn Crosby
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed: 11/12/2020



Sample Condition Upon Receipt

WO#: 70153252

Client Name: PWGProject: EMH

Due Date: 11/30/20

CLIENT: PWG

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes NoPacking Material: Bubble Wrap Bubble Bags Ziploc None OtherThermometer Used: H09 Correction Factor: -0.2Cooler Temperature (°C): 3.9 Cooler Temperature Corrected (°C): 3.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)Date and Initials of person examining contents: 11/12/2014Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NODid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12. Client gave 8260 for sample UG and MAG
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC998032</u>				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.02

October 21, 2020

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINIMILT MONTHLY 10/7
Pace Project No.: 70148520

Dear Kaitlyn Crosby:

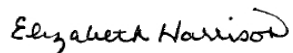
Enclosed are the analytical results for sample(s) received by the laboratory on October 07, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Kaitlyn Crosby, P.W. Grosser Engineer & Hydrogeologist



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

Sample: SYS-EFF	Lab ID: 70148520001	Collected: 10/07/20 12:40	Received: 10/07/20 13:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	168	ug/L	100	1	10/20/20 12:25	10/20/20 21:34	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<5.0	ug/L	5.0	1		10/09/20 16:05	67-64-1	IC
Benzene	<0.70	ug/L	0.70	1		10/09/20 16:05	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		10/09/20 16:05	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		10/09/20 16:05	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		10/09/20 16:05	74-83-9	L1
2-Butanone (MEK)	<5.0	ug/L	5.0	1		10/09/20 16:05	78-93-3	IL
Carbon disulfide	<1.0	ug/L	1.0	1		10/09/20 16:05	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		10/09/20 16:05	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		10/09/20 16:05	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		10/09/20 16:05	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		10/09/20 16:05	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		10/09/20 16:05	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		10/09/20 16:05	124-48-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		10/09/20 16:05	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		10/09/20 16:05	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		10/09/20 16:05	540-59-0	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		10/09/20 16:05	75-35-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		10/09/20 16:05	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/09/20 16:05	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/09/20 16:05	10061-02-6	M1
Ethylbenzene	<1.0	ug/L	1.0	1		10/09/20 16:05	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		10/09/20 16:05	591-78-6	
Methylene Chloride	<1.0	ug/L	1.0	1		10/09/20 16:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		10/09/20 16:05	108-10-1	
Styrene	<1.0	ug/L	1.0	1		10/09/20 16:05	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		10/09/20 16:05	79-34-5	
Tetrachloroethene	1.9	ug/L	1.0	1		10/09/20 16:05	127-18-4	
Toluene	<1.0	ug/L	1.0	1		10/09/20 16:05	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		10/09/20 16:05	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		10/09/20 16:05	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		10/09/20 16:05	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		10/09/20 16:05	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		10/09/20 16:05	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	68-153	1		10/09/20 16:05	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124	1		10/09/20 16:05	460-00-4	
Toluene-d8 (S)	93	%	69-124	1		10/09/20 16:05	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	7.0	Std. Units	0.10	1		10/08/20 08:56		H3,H6
Temperature, Water (C)	18.7	deg C	0.10	1		10/08/20 08:56		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

Sample: SYS-INF	Lab ID: 70148520002	Collected: 10/07/20 12:50	Received: 10/07/20 13:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Pace Analytical Services - Melville								
Iron	362	ug/L	100	1	10/20/20 12:25	10/20/20 21:50	7439-89-6	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Acetone	<50.0	ug/L	50.0	10		10/09/20 14:42	67-64-1	IC
Benzene	<7.0	ug/L	7.0	10		10/09/20 14:42	71-43-2	
Bromodichloromethane	<10.0	ug/L	10.0	10		10/09/20 14:42	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		10/09/20 14:42	75-25-2	
Bromomethane	<10.0	ug/L	10.0	10		10/09/20 14:42	74-83-9	L1
2-Butanone (MEK)	<50.0	ug/L	50.0	10		10/09/20 14:42	78-93-3	IL
Carbon disulfide	<10.0	ug/L	10.0	10		10/09/20 14:42	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		10/09/20 14:42	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		10/09/20 14:42	108-90-7	
Chloroethane	<10.0	ug/L	10.0	10		10/09/20 14:42	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		10/09/20 14:42	67-66-3	
Chloromethane	<10.0	ug/L	10.0	10		10/09/20 14:42	74-87-3	
Dibromochloromethane	<10.0	ug/L	10.0	10		10/09/20 14:42	124-48-1	
1,1-Dichloroethane	<10.0	ug/L	10.0	10		10/09/20 14:42	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		10/09/20 14:42	107-06-2	
1,2-Dichloroethene (Total)	<20.0	ug/L	20.0	10		10/09/20 14:42	540-59-0	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		10/09/20 14:42	75-35-4	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		10/09/20 14:42	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		10/09/20 14:42	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		10/09/20 14:42	10061-02-6	
Ethylbenzene	<10.0	ug/L	10.0	10		10/09/20 14:42	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		10/09/20 14:42	591-78-6	
Methylene Chloride	<10.0	ug/L	10.0	10		10/09/20 14:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		10/09/20 14:42	108-10-1	
Styrene	<10.0	ug/L	10.0	10		10/09/20 14:42	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		10/09/20 14:42	79-34-5	
Tetrachloroethene	1500	ug/L	10.0	10		10/09/20 14:42	127-18-4	
Toluene	<10.0	ug/L	10.0	10		10/09/20 14:42	108-88-3	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		10/09/20 14:42	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		10/09/20 14:42	79-00-5	
Trichloroethene	18.3	ug/L	10.0	10		10/09/20 14:42	79-01-6	
Vinyl chloride	<10.0	ug/L	10.0	10		10/09/20 14:42	75-01-4	
Xylene (Total)	<30.0	ug/L	30.0	10		10/09/20 14:42	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	10		10/09/20 14:42	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-124	10		10/09/20 14:42	460-00-4	
Toluene-d8 (S)	92	%	69-124	10		10/09/20 14:42	2037-26-5	
4500H+ pH, Electrometric								
Analytical Method: SM22 4500-H+B								
Pace Analytical Services - Melville								
pH	5.6	Std. Units	0.10	1		10/08/20 08:57		H3,H6
Temperature, Water (C)	18.9	deg C	0.10	1		10/08/20 08:57		H3,H6

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ANALYTICAL RESULTS

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

Sample: UG	Lab ID: 70148520003	Collected: 10/07/20 13:00	Received: 10/07/20 13:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	13500	ug/L	100	1	10/20/20 12:25	10/20/20 21:56	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<100	ug/L	100	20		10/09/20 15:46	67-64-1	IC
Benzene	<14.0	ug/L	14.0	20		10/09/20 15:46	71-43-2	
Bromodichloromethane	<20.0	ug/L	20.0	20		10/09/20 15:46	75-27-4	
Bromoform	<20.0	ug/L	20.0	20		10/09/20 15:46	75-25-2	
Bromomethane	<20.0	ug/L	20.0	20		10/09/20 15:46	74-83-9	L1
2-Butanone (MEK)	<100	ug/L	100	20		10/09/20 15:46	78-93-3	IL
Carbon disulfide	<20.0	ug/L	20.0	20		10/09/20 15:46	75-15-0	
Carbon tetrachloride	<20.0	ug/L	20.0	20		10/09/20 15:46	56-23-5	
Chlorobenzene	<20.0	ug/L	20.0	20		10/09/20 15:46	108-90-7	
Chloroethane	<20.0	ug/L	20.0	20		10/09/20 15:46	75-00-3	
Chloroform	<20.0	ug/L	20.0	20		10/09/20 15:46	67-66-3	
Chloromethane	<20.0	ug/L	20.0	20		10/09/20 15:46	74-87-3	
Dibromochloromethane	<20.0	ug/L	20.0	20		10/09/20 15:46	124-48-1	
1,1-Dichloroethane	<20.0	ug/L	20.0	20		10/09/20 15:46	75-34-3	
1,2-Dichloroethane	<20.0	ug/L	20.0	20		10/09/20 15:46	107-06-2	
1,2-Dichloroethene (Total)	<40.0	ug/L	40.0	20		10/09/20 15:46	540-59-0	
1,1-Dichloroethene	<20.0	ug/L	20.0	20		10/09/20 15:46	75-35-4	
1,2-Dichloropropane	<20.0	ug/L	20.0	20		10/09/20 15:46	78-87-5	
cis-1,3-Dichloropropene	<20.0	ug/L	20.0	20		10/09/20 15:46	10061-01-5	
trans-1,3-Dichloropropene	<20.0	ug/L	20.0	20		10/09/20 15:46	10061-02-6	
Ethylbenzene	<20.0	ug/L	20.0	20		10/09/20 15:46	100-41-4	
2-Hexanone	<100	ug/L	100	20		10/09/20 15:46	591-78-6	
Methylene Chloride	<20.0	ug/L	20.0	20		10/09/20 15:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	<100	ug/L	100	20		10/09/20 15:46	108-10-1	
Styrene	<20.0	ug/L	20.0	20		10/09/20 15:46	100-42-5	
1,1,1,2-Tetrachloroethane	<20.0	ug/L	20.0	20		10/09/20 15:46	79-34-5	
Tetrachloroethene	1890	ug/L	20.0	20		10/09/20 15:46	127-18-4	
Toluene	<20.0	ug/L	20.0	20		10/09/20 15:46	108-88-3	
1,1,1-Trichloroethane	<20.0	ug/L	20.0	20		10/09/20 15:46	71-55-6	
1,1,2-Trichloroethane	<20.0	ug/L	20.0	20		10/09/20 15:46	79-00-5	
Trichloroethene	31.5	ug/L	20.0	20		10/09/20 15:46	79-01-6	
Vinyl chloride	<20.0	ug/L	20.0	20		10/09/20 15:46	75-01-4	
Xylene (Total)	<60.0	ug/L	60.0	20		10/09/20 15:46	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	68-153	20		10/09/20 15:46	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	20		10/09/20 15:46	460-00-4	
Toluene-d8 (S)	92	%	69-124	20		10/09/20 15:46	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	5.9	Std. Units	0.10	1		10/08/20 09:00		H3,H6
Temperature, Water (C)	18.4	deg C	0.10	1		10/08/20 09:00		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

Sample: MAG	Lab ID: 70148520004	Collected: 10/07/20 13:10	Received: 10/07/20 13:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville						
Iron	932	ug/L	100	1	10/20/20 12:25	10/20/20 22:01	7439-89-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Acetone	<50.0	ug/L	50.0	10		10/09/20 15:20	67-64-1	IC
Benzene	<7.0	ug/L	7.0	10		10/09/20 15:20	71-43-2	
Bromodichloromethane	<10.0	ug/L	10.0	10		10/09/20 15:20	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		10/09/20 15:20	75-25-2	
Bromomethane	<10.0	ug/L	10.0	10		10/09/20 15:20	74-83-9	L1
2-Butanone (MEK)	<50.0	ug/L	50.0	10		10/09/20 15:20	78-93-3	IL
Carbon disulfide	<10.0	ug/L	10.0	10		10/09/20 15:20	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		10/09/20 15:20	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		10/09/20 15:20	108-90-7	
Chloroethane	<10.0	ug/L	10.0	10		10/09/20 15:20	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		10/09/20 15:20	67-66-3	
Chloromethane	<10.0	ug/L	10.0	10		10/09/20 15:20	74-87-3	
Dibromochloromethane	<10.0	ug/L	10.0	10		10/09/20 15:20	124-48-1	
1,1-Dichloroethane	<10.0	ug/L	10.0	10		10/09/20 15:20	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		10/09/20 15:20	107-06-2	
1,2-Dichloroethene (Total)	<20.0	ug/L	20.0	10		10/09/20 15:20	540-59-0	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		10/09/20 15:20	75-35-4	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		10/09/20 15:20	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		10/09/20 15:20	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		10/09/20 15:20	10061-02-6	
Ethylbenzene	<10.0	ug/L	10.0	10		10/09/20 15:20	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		10/09/20 15:20	591-78-6	
Methylene Chloride	<10.0	ug/L	10.0	10		10/09/20 15:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		10/09/20 15:20	108-10-1	
Styrene	<10.0	ug/L	10.0	10		10/09/20 15:20	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		10/09/20 15:20	79-34-5	
Tetrachloroethene	1060	ug/L	10.0	10		10/09/20 15:20	127-18-4	
Toluene	<10.0	ug/L	10.0	10		10/09/20 15:20	108-88-3	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		10/09/20 15:20	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		10/09/20 15:20	79-00-5	
Trichloroethene	<10.0	ug/L	10.0	10		10/09/20 15:20	79-01-6	
Vinyl chloride	<10.0	ug/L	10.0	10		10/09/20 15:20	75-01-4	
Xylene (Total)	<30.0	ug/L	30.0	10		10/09/20 15:20	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	68-153	10		10/09/20 15:20	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	10		10/09/20 15:20	460-00-4	
Toluene-d8 (S)	92	%	69-124	10		10/09/20 15:20	2037-26-5	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville						
pH	6.0	Std. Units	0.10	1		10/08/20 09:04		H1,H6
Temperature, Water (C)	20.6	deg C	0.10	1		10/08/20 09:04		H1,H6

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINIMILT MONTHLY 10/7
Pace Project No.: 70148520

QC Batch: 182156 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70148520001, 70148520002, 70148520003, 70148520004

METHOD BLANK: 889244 Matrix: Water
Associated Lab Samples: 70148520001, 70148520002, 70148520003, 70148520004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	10/20/20 20:46	

LABORATORY CONTROL SAMPLE: 889245

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2060	103	85-115	

MATRIX SPIKE SAMPLE: 889247

Parameter	Units	70148486001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	1700	2000	4370	134	70-130	M1

MATRIX SPIKE SAMPLE: 889249

Parameter	Units	30385872001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	ND	2000	2160	108	70-130	

SAMPLE DUPLICATE: 889246

Parameter	Units	70148486001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	1700	1730	2	

SAMPLE DUPLICATE: 889248

Parameter	Units	30385872001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	ND	<100		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINIMILT MONTHLY 10/7
Pace Project No.: 70148520

QC Batch: 180767 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70148520001, 70148520002, 70148520003, 70148520004

METHOD BLANK: 881405 Matrix: Water
Associated Lab Samples: 70148520001, 70148520002, 70148520003, 70148520004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	10/09/20 11:29	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	10/09/20 11:29	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	10/09/20 11:29	
1,1-Dichloroethane	ug/L	<1.0	1.0	10/09/20 11:29	
1,1-Dichloroethene	ug/L	<1.0	1.0	10/09/20 11:29	
1,2-Dichloroethane	ug/L	<1.0	1.0	10/09/20 11:29	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	10/09/20 11:29	
1,2-Dichloropropane	ug/L	<1.0	1.0	10/09/20 11:29	
2-Butanone (MEK)	ug/L	<5.0	5.0	10/09/20 11:29	IL
2-Hexanone	ug/L	<5.0	5.0	10/09/20 11:29	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	10/09/20 11:29	
Acetone	ug/L	<5.0	5.0	10/09/20 11:29	IC
Benzene	ug/L	<0.70	0.70	10/09/20 11:29	
Bromodichloromethane	ug/L	<1.0	1.0	10/09/20 11:29	
Bromoform	ug/L	<1.0	1.0	10/09/20 11:29	
Bromomethane	ug/L	<1.0	1.0	10/09/20 11:29	
Carbon disulfide	ug/L	<1.0	1.0	10/09/20 11:29	
Carbon tetrachloride	ug/L	<1.0	1.0	10/09/20 11:29	
Chlorobenzene	ug/L	<1.0	1.0	10/09/20 11:29	
Chloroethane	ug/L	<1.0	1.0	10/09/20 11:29	
Chloroform	ug/L	<1.0	1.0	10/09/20 11:29	
Chloromethane	ug/L	<1.0	1.0	10/09/20 11:29	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	10/09/20 11:29	
Dibromochloromethane	ug/L	<1.0	1.0	10/09/20 11:29	
Ethylbenzene	ug/L	<1.0	1.0	10/09/20 11:29	
Methylene Chloride	ug/L	<1.0	1.0	10/09/20 11:29	
Styrene	ug/L	<1.0	1.0	10/09/20 11:29	
Tetrachloroethene	ug/L	<1.0	1.0	10/09/20 11:29	
Toluene	ug/L	<1.0	1.0	10/09/20 11:29	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	10/09/20 11:29	
Trichloroethene	ug/L	<1.0	1.0	10/09/20 11:29	
Vinyl chloride	ug/L	<1.0	1.0	10/09/20 11:29	
Xylene (Total)	ug/L	<3.0	3.0	10/09/20 11:29	
1,2-Dichloroethane-d4 (S)	%	93	68-153	10/09/20 11:29	
4-Bromofluorobenzene (S)	%	93	79-124	10/09/20 11:29	
Toluene-d8 (S)	%	87	69-124	10/09/20 11:29	

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QUALITY CONTROL DATA

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

LABORATORY CONTROL SAMPLE: 881406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	40.9	82	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	47.3	95	74-121	
1,1,2-Trichloroethane	ug/L	50	52.4	105	80-117	
1,1-Dichloroethane	ug/L	50	48.2	96	83-151	
1,1-Dichloroethene	ug/L	50	48.3	97	45-146	
1,2-Dichloroethane	ug/L	50	49.7	99	74-129	
1,2-Dichloroethene (Total)	ug/L	100	97.7	98	60-140	
1,2-Dichloropropane	ug/L	50	50.1	100	75-117	
2-Butanone (MEK)	ug/L	50	46.1	92	44-162	IL
2-Hexanone	ug/L	50	47.4	95	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	52.6	105	69-132	
Acetone	ug/L	50	93.8	188	23-188	CH,IC
Benzene	ug/L	50	49.9	100	73-119	
Bromodichloromethane	ug/L	50	50.5	101	78-117	
Bromoform	ug/L	50	58.9	118	65-122	CH
Bromomethane	ug/L	50	81.3	163	52-147	CH,IH,L1
Carbon disulfide	ug/L	50	46.2	92	41-144	
Carbon tetrachloride	ug/L	50	44.8	90	59-120	
Chlorobenzene	ug/L	50	49.5	99	75-113	
Chloroethane	ug/L	50	53.7	107	49-151	
Chloroform	ug/L	50	49.2	98	72-122	
Chloromethane	ug/L	50	49.6	99	46-144	
cis-1,3-Dichloropropene	ug/L	50	44.9	90	78-116	
Dibromochloromethane	ug/L	50	52.7	105	70-120	
Ethylbenzene	ug/L	50	47.6	95	70-113	
Methylene Chloride	ug/L	50	49.7	99	61-142	
Styrene	ug/L	50	50.0	100	72-118	
Tetrachloroethene	ug/L	50	47.7	95	60-128	
Toluene	ug/L	50	50.6	101	72-119	
trans-1,3-Dichloropropene	ug/L	50	41.2	82	79-116	
Trichloroethene	ug/L	50	47.1	94	69-117	
Vinyl chloride	ug/L	50	51.7	103	43-143	IH
Xylene (Total)	ug/L	150	146	97	71-109	
1,2-Dichloroethane-d4 (S)	%			90	68-153	
4-Bromofluorobenzene (S)	%			96	79-124	
Toluene-d8 (S)	%			93	69-124	

MATRIX SPIKE SAMPLE: 881958

Parameter	Units	70148520001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	45.2	90	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	47.6	95	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	54.6	109	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	51.2	102	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	54.1	108	45-146	

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QUALITY CONTROL DATA

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

MATRIX SPIKE SAMPLE: 881958		70148520001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	50.6	101	74-129	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	105	105	60-140	
1,2-Dichloropropane	ug/L	<1.0	50	52.0	104	75-117	
2-Butanone (MEK)	ug/L	<5.0	50	26.9	54	44-162	IL
2-Hexanone	ug/L	<5.0	50	46.8	94	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	53.0	106	69-132	
Acetone	ug/L	<5.0	50	61.6	123	23-188	CH,IC
Benzene	ug/L	<0.70	50	56.2	112	73-119	
Bromodichloromethane	ug/L	<1.0	50	49.9	100	78-117	
Bromoform	ug/L	<1.0	50	56.2	112	65-122	CH
Bromomethane	ug/L	<1.0	50	73.6	147	52-147	CH,IH
Carbon disulfide	ug/L	<1.0	50	47.6	95	41-144	
Carbon tetrachloride	ug/L	<1.0	50	49.7	99	59-120	
Chlorobenzene	ug/L	<1.0	50	52.2	104	75-113	
Chloroethane	ug/L	<1.0	50	52.6	105	49-151	
Chloroform	ug/L	<1.0	50	50.8	102	72-122	
Chloromethane	ug/L	<1.0	50	33.3	67	46-144	
cis-1,3-Dichloropropene	ug/L	<1.0	50	43.6	87	78-116	
Dibromochloromethane	ug/L	<1.0	50	54.7	109	70-120	
Ethylbenzene	ug/L	<1.0	50	50.2	100	70-113	
Methylene Chloride	ug/L	<1.0	50	50.7	101	61-142	
Styrene	ug/L	<1.0	50	51.6	103	72-118	
Tetrachloroethene	ug/L	1.9	50	56.9	110	60-128	
Toluene	ug/L	<1.0	50	53.9	108	72-119	
trans-1,3-Dichloropropene	ug/L	<1.0	50	39.1	78	79-116	M1
Trichloroethene	ug/L	<1.0	50	52.6	105	69-117	
Vinyl chloride	ug/L	<1.0	50	41.7	83	43-143	IH
Xylene (Total)	ug/L	<3.0	150	156	104	71-109	
1,2-Dichloroethane-d4 (S)	%				90	68-153	
4-Bromofluorobenzene (S)	%				95	79-124	
Toluene-d8 (S)	%				93	69-124	

SAMPLE DUPLICATE: 882535

Parameter	Units	70148520003	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/L	<20.0	<10.0		
1,1,2,2-Tetrachloroethane	ug/L	<20.0	<10.0		
1,1,2-Trichloroethane	ug/L	<20.0	<10.0		
1,1-Dichloroethane	ug/L	<20.0	<10.0		
1,1-Dichloroethene	ug/L	<20.0	<10.0		
1,2-Dichloroethane	ug/L	<20.0	<10.0		
1,2-Dichloroethene (Total)	ug/L	<40.0	<20.0		
1,2-Dichloropropane	ug/L	<20.0	<10.0		
2-Butanone (MEK)	ug/L	<100	<50.0		IL
2-Hexanone	ug/L	<100	<50.0		

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QUALITY CONTROL DATA

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

SAMPLE DUPLICATE: 882535

Parameter	Units	70148520003 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<100	<50.0		
Acetone	ug/L	<100	<50.0		IC
Benzene	ug/L	<14.0	<7.0		
Bromodichloromethane	ug/L	<20.0	<10.0		
Bromoform	ug/L	<20.0	<10.0		
Bromomethane	ug/L	<20.0	<10.0		
Carbon disulfide	ug/L	<20.0	<10.0		
Carbon tetrachloride	ug/L	<20.0	<10.0		
Chlorobenzene	ug/L	<20.0	<10.0		
Chloroethane	ug/L	<20.0	<10.0		
Chloroform	ug/L	<20.0	<10.0		
Chloromethane	ug/L	<20.0	<10.0		
cis-1,3-Dichloropropene	ug/L	<20.0	<10.0		
Dibromochloromethane	ug/L	<20.0	<10.0		
Ethylbenzene	ug/L	<20.0	<10.0		
Methylene Chloride	ug/L	<20.0	<10.0		
Styrene	ug/L	<20.0	<10.0		
Tetrachloroethene	ug/L	1890	2240		17 E
Toluene	ug/L	<20.0	<10.0		
trans-1,3-Dichloropropene	ug/L	<20.0	<10.0		
Trichloroethene	ug/L	31.5	36.2		14
Vinyl chloride	ug/L	<20.0	<10.0		
Xylene (Total)	ug/L	<60.0	<30.0		
1,2-Dichloroethane-d4 (S)	%	91	92		
4-Bromofluorobenzene (S)	%	95	95		
Toluene-d8 (S)	%	92	92		

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QUALITY CONTROL DATA

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

QC Batch:	180502	Analysis Method:	SM22 4500-H+B
QC Batch Method:	SM22 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70148520001, 70148520002, 70148520003, 70148520004

SAMPLE DUPLICATE: 880028

Parameter	Units	70148125004 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	8.1	8.1	0	H3,H6
Temperature, Water (C)	deg C	14.3	14.7	3	H3,H6

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QUALIFIERS

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINIMILT MONTHLY 10/7

Pace Project No.: 70148520

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70148520001	SYS-EFF	EPA 200.7	182156	EPA 200.7	182159
70148520002	SYS-INF	EPA 200.7	182156	EPA 200.7	182159
70148520003	UG	EPA 200.7	182156	EPA 200.7	182159
70148520004	MAG	EPA 200.7	182156	EPA 200.7	182159
70148520001	SYS-EFF	EPA 8260C/5030C	180767		
70148520002	SYS-INF	EPA 8260C/5030C	180767		
70148520003	UG	EPA 8260C/5030C	180767		
70148520004	MAG	EPA 8260C/5030C	180767		
70148520001	SYS-EFF	SM22 4500-H+B	180502		
70148520002	SYS-INF	SM22 4500-H+B	180502		
70148520003	UG	SM22 4500-H+B	180502		
70148520004	MAG	SM22 4500-H+B	180502		

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WO#: 70148520



CHAIN-OF-CUSTODY / Analytical Reques
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field:

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	P. W. Grosser Engineer & Hydrogeologist	Report To:	Kathlyn Crosby	Attention:	Same as client
Address:	630 Johnson Avenue Bohemia, NY 11716	Copy To:		Company Name:	
Email:	kcrosby@pwgrosser.com	Purchase Order #:		Address:	
Phone:	(631) 589-6353	Project Name:	MINWILT MONTHLY	Pace Project Manager:	betty.harrison@paceclabs.com
Requested Due Date:	Standard	Project #:	MIN1001	Pace Profile #:	5992
Regulatory Agency		Regulatory Agency		State / Location NY	

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)			Residual Chlorine (Y/N)											
			START	END				DATE	TIME	DATE	TIME	DATE	TIME	DATE		TIME	DATE	TIME		DATE	TIME									
1	SYS-EFF	DW			G	WT	5	Unpreserved	X	H2SO4	X	HNO3	X	HCl	X	Na2S2O3		Methanol		Other		X	200.7 ICP Metals	X	4500+8 pH	X	8260 Full List			
2	SYS-INF	WT			G	WT	1																							
3	UG						1																							
4	MAG						1																							

ADDITIONAL COMMENTS	RELINQUISHED BY/AFFILIATION	DATE	TIME	ACCEPTED BY/AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Received on (Y/N)	Custody (Y/N)	Sealed Cooler (Y/N)	Samples Intact (Y/N)
		10-7-20	1325		10-10-20	13:25	1.5 YR N Y				

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Kathlyn Crosby
SIGNATURE of SAMPLER:	<i>[Signature]</i>
DATE Signed:	10/07/2020



Sample Condition Upon Receipt

WO#: 70148520
PM: EMH **Due Date: 10/21/20**
CLIENT: PWG

Client Name: PW Grosser

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____
 Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: -0.2

Cooler Temperature (°C): 1.5 Cooler Temperature Corrected (°C): 1.3

Temperature Blank Present: Yes No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: 10/7/20 SP

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for MS/MSD):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>H904495</u>			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		14. Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if applicable): _____			

Client Notification/ Resolution: _____ Field Data Required? Y / N
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____



APPENDIX C

January 07, 2021

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN MILT AIR 12/14
Pace Project No.: 70156566

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on December 14, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN MILT AIR 12/14

Pace Project No.: 70156566

Pace Analytical Services - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

A2LA Certification #: 2926.01*

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Massachusetts DWP Certification #: via MN 027-053-137

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081*

New Jersey Certification #: MN002

New York Certification #: 11647*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001*

Pennsylvania Certification #: 68-00563*

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192*

Utah Certification #: MN00064*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

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SAMPLE ANALYTE COUNT

Project: MIN MILT AIR 12/14

Pace Project No.: 70156566

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70156566001	SVE-INF	TO-15	MLS	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: MIN MILT AIR 12/14

Pace Project No.: 70156566

Sample: SVE-INF	Lab ID: 70156566001	Collected: 12/14/20 15:05	Received: 12/14/20 15:40	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Acetone	<7.6	ug/m3	7.6	1.26		01/06/21 23:53	67-64-1	
Benzene	1.1	ug/m3	0.41	1.26		01/06/21 23:53	71-43-2	
Benzyl chloride	<3.3	ug/m3	3.3	1.26		01/06/21 23:53	100-44-7	
Bromodichloromethane	<1.7	ug/m3	1.7	1.26		01/06/21 23:53	75-27-4	
Bromoform	<6.6	ug/m3	6.6	1.26		01/06/21 23:53	75-25-2	
Bromomethane	<0.99	ug/m3	0.99	1.26		01/06/21 23:53	74-83-9	
1,3-Butadiene	<0.57	ug/m3	0.57	1.26		01/06/21 23:53	106-99-0	
2-Butanone (MEK)	7.4	ug/m3	3.8	1.26		01/06/21 23:53	78-93-3	
Carbon disulfide	5.7	ug/m3	0.80	1.26		01/06/21 23:53	75-15-0	
Carbon tetrachloride	<1.6	ug/m3	1.6	1.26		01/06/21 23:53	56-23-5	
Chlorobenzene	<1.2	ug/m3	1.2	1.26		01/06/21 23:53	108-90-7	
Chloroethane	4.2	ug/m3	0.68	1.26		01/06/21 23:53	75-00-3	
Chloroform	15.7	ug/m3	0.62	1.26		01/06/21 23:53	67-66-3	
Chloromethane	0.97	ug/m3	0.53	1.26		01/06/21 23:53	74-87-3	
Cyclohexane	<2.2	ug/m3	2.2	1.26		01/06/21 23:53	110-82-7	
Dibromochloromethane	<2.2	ug/m3	2.2	1.26		01/06/21 23:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.98	ug/m3	0.98	1.26		01/06/21 23:53	106-93-4	
1,2-Dichlorobenzene	<3.8	ug/m3	3.8	1.26		01/06/21 23:53	95-50-1	
1,3-Dichlorobenzene	<1.5	ug/m3	1.5	1.26		01/06/21 23:53	541-73-1	
1,4-Dichlorobenzene	<3.9	ug/m3	3.9	1.26		01/06/21 23:53	106-46-7	
Dichlorodifluoromethane	5.0	ug/m3	1.3	1.26		01/06/21 23:53	75-71-8	
1,1-Dichloroethane	50.1	ug/m3	1.0	1.26		01/06/21 23:53	75-34-3	
1,2-Dichloroethane	2.3	ug/m3	0.52	1.26		01/06/21 23:53	107-06-2	
1,1-Dichloroethene	<1.0	ug/m3	1.0	1.26		01/06/21 23:53	75-35-4	
cis-1,2-Dichloroethene	117	ug/m3	1.0	1.26		01/06/21 23:53	156-59-2	
trans-1,2-Dichloroethene	4.9	ug/m3	1.0	1.26		01/06/21 23:53	156-60-5	
1,2-Dichloropropane	<1.2	ug/m3	1.2	1.26		01/06/21 23:53	78-87-5	
cis-1,3-Dichloropropene	<1.2	ug/m3	1.2	1.26		01/06/21 23:53	10061-01-5	
trans-1,3-Dichloropropene	<1.2	ug/m3	1.2	1.26		01/06/21 23:53	10061-02-6	
Dichlorotetrafluoroethane	<1.8	ug/m3	1.8	1.26		01/06/21 23:53	76-14-2	
Ethanol	2.7	ug/m3	2.4	1.26		01/06/21 23:53	64-17-5	
Ethyl acetate	<0.92	ug/m3	0.92	1.26		01/06/21 23:53	141-78-6	
Ethylbenzene	<1.1	ug/m3	1.1	1.26		01/06/21 23:53	100-41-4	
4-Ethyltoluene	<3.2	ug/m3	3.2	1.26		01/06/21 23:53	622-96-8	
n-Heptane	25.1	ug/m3	1.0	1.26		01/06/21 23:53	142-82-5	
Hexachloro-1,3-butadiene	<6.8	ug/m3	6.8	1.26		01/06/21 23:53	87-68-3	
n-Hexane	13.3	ug/m3	0.90	1.26		01/06/21 23:53	110-54-3	
2-Hexanone	<5.2	ug/m3	5.2	1.26		01/06/21 23:53	591-78-6	
Methylene Chloride	<4.4	ug/m3	4.4	1.26		01/06/21 23:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.2	ug/m3	5.2	1.26		01/06/21 23:53	108-10-1	
Methyl-tert-butyl ether	<4.6	ug/m3	4.6	1.26		01/06/21 23:53	1634-04-4	
Naphthalene	<3.4	ug/m3	3.4	1.26		01/06/21 23:53	91-20-3	
2-Propanol	<3.2	ug/m3	3.2	1.26		01/06/21 23:53	67-63-0	
Propylene	41.5	ug/m3	0.44	1.26		01/06/21 23:53	115-07-1	
Styrene	<1.1	ug/m3	1.1	1.26		01/06/21 23:53	100-42-5	
1,1,2,2-Tetrachloroethane	<0.88	ug/m3	0.88	1.26		01/06/21 23:53	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN MILT AIR 12/14

Pace Project No.: 70156566

Sample: SVE-INF	Lab ID: 70156566001	Collected: 12/14/20 15:05	Received: 12/14/20 15:40	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
	Pace Analytical Services - Minneapolis							
Tetrachloroethene	2140	ug/m3	26.0	37.8		01/07/21 00:25	127-18-4	
Tetrahydrofuran	<0.76	ug/m3	0.76	1.26		01/06/21 23:53	109-99-9	
Toluene	1.3	ug/m3	0.97	1.26		01/06/21 23:53	108-88-3	
1,2,4-Trichlorobenzene	<19.0	ug/m3	19.0	1.26		01/06/21 23:53	120-82-1	
1,1,1-Trichloroethane	3.7	ug/m3	1.4	1.26		01/06/21 23:53	71-55-6	
1,1,2-Trichloroethane	<0.70	ug/m3	0.70	1.26		01/06/21 23:53	79-00-5	
Trichloroethene	76.8	ug/m3	0.69	1.26		01/06/21 23:53	79-01-6	C8
Trichlorofluoromethane	3.4	ug/m3	1.4	1.26		01/06/21 23:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	<2.0	ug/m3	2.0	1.26		01/06/21 23:53	76-13-1	
1,2,4-Trimethylbenzene	1.6	ug/m3	1.3	1.26		01/06/21 23:53	95-63-6	
1,3,5-Trimethylbenzene	<1.3	ug/m3	1.3	1.26		01/06/21 23:53	108-67-8	
Vinyl acetate	<0.90	ug/m3	0.90	1.26		01/06/21 23:53	108-05-4	
Vinyl chloride	<0.33	ug/m3	0.33	1.26		01/06/21 23:53	75-01-4	
m&p-Xylene	<2.2	ug/m3	2.2	1.26		01/06/21 23:53	179601-23-1	
o-Xylene	<1.1	ug/m3	1.1	1.26		01/06/21 23:53	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT AIR 12/14
Pace Project No.: 70156566

QC Batch: 719096 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 70156566001

METHOD BLANK: 3836453 Matrix: Air
Associated Lab Samples: 70156566001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<1.1	1.1	01/06/21 10:51	
1,1,2,2-Tetrachloroethane	ug/m3	<0.70	0.70	01/06/21 10:51	
1,1,2-Trichloroethane	ug/m3	<0.56	0.56	01/06/21 10:51	
1,1,2-Trichlorotrifluoroethane	ug/m3	<1.6	1.6	01/06/21 10:51	
1,1-Dichloroethane	ug/m3	<0.82	0.82	01/06/21 10:51	
1,1-Dichloroethene	ug/m3	<0.81	0.81	01/06/21 10:51	
1,2,4-Trichlorobenzene	ug/m3	<15.1	15.1	01/06/21 10:51	MN
1,2,4-Trimethylbenzene	ug/m3	<1.0	1.0	01/06/21 10:51	
1,2-Dibromoethane (EDB)	ug/m3	<0.78	0.78	01/06/21 10:51	
1,2-Dichlorobenzene	ug/m3	<3.1	3.1	01/06/21 10:51	MN
1,2-Dichloroethane	ug/m3	<0.41	0.41	01/06/21 10:51	
1,2-Dichloropropane	ug/m3	<0.94	0.94	01/06/21 10:51	
1,3,5-Trimethylbenzene	ug/m3	<1.0	1.0	01/06/21 10:51	
1,3-Butadiene	ug/m3	<0.45	0.45	01/06/21 10:51	
1,3-Dichlorobenzene	ug/m3	<1.2	1.2	01/06/21 10:51	
1,4-Dichlorobenzene	ug/m3	<3.1	3.1	01/06/21 10:51	
2-Butanone (MEK)	ug/m3	<3.0	3.0	01/06/21 10:51	
2-Hexanone	ug/m3	<4.2	4.2	01/06/21 10:51	
2-Propanol	ug/m3	<2.5	2.5	01/06/21 10:51	
4-Ethyltoluene	ug/m3	<2.5	2.5	01/06/21 10:51	
4-Methyl-2-pentanone (MIBK)	ug/m3	<4.2	4.2	01/06/21 10:51	
Acetone	ug/m3	<6.0	6.0	01/06/21 10:51	
Benzene	ug/m3	<0.32	0.32	01/06/21 10:51	
Benzyl chloride	ug/m3	<2.6	2.6	01/06/21 10:51	
Bromodichloromethane	ug/m3	<1.4	1.4	01/06/21 10:51	
Bromoform	ug/m3	<5.2	5.2	01/06/21 10:51	
Bromomethane	ug/m3	<0.79	0.79	01/06/21 10:51	
Carbon disulfide	ug/m3	<0.63	0.63	01/06/21 10:51	
Carbon tetrachloride	ug/m3	<1.3	1.3	01/06/21 10:51	
Chlorobenzene	ug/m3	<0.94	0.94	01/06/21 10:51	
Chloroethane	ug/m3	<0.54	0.54	01/06/21 10:51	
Chloroform	ug/m3	<0.50	0.50	01/06/21 10:51	
Chloromethane	ug/m3	<0.42	0.42	01/06/21 10:51	
cis-1,2-Dichloroethene	ug/m3	<0.81	0.81	01/06/21 10:51	
cis-1,3-Dichloropropene	ug/m3	<0.92	0.92	01/06/21 10:51	
Cyclohexane	ug/m3	<1.8	1.8	01/06/21 10:51	
Dibromochloromethane	ug/m3	<1.7	1.7	01/06/21 10:51	
Dichlorodifluoromethane	ug/m3	<1.0	1.0	01/06/21 10:51	
Dichlorotetrafluoroethane	ug/m3	<1.4	1.4	01/06/21 10:51	
Ethanol	ug/m3	<1.9	1.9	01/06/21 10:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT AIR 12/14
Pace Project No.: 70156566

METHOD BLANK: 3836453

Matrix: Air

Associated Lab Samples: 70156566001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.73	0.73	01/06/21 10:51	
Ethylbenzene	ug/m3	<0.88	0.88	01/06/21 10:51	
Hexachloro-1,3-butadiene	ug/m3	<5.4	5.4	01/06/21 10:51	
m&p-Xylene	ug/m3	<1.8	1.8	01/06/21 10:51	
Methyl-tert-butyl ether	ug/m3	<3.7	3.7	01/06/21 10:51	
Methylene Chloride	ug/m3	<3.5	3.5	01/06/21 10:51	
n-Heptane	ug/m3	<0.83	0.83	01/06/21 10:51	
n-Hexane	ug/m3	<0.72	0.72	01/06/21 10:51	
Naphthalene	ug/m3	<2.7	2.7	01/06/21 10:51	
o-Xylene	ug/m3	<0.88	0.88	01/06/21 10:51	
Propylene	ug/m3	<0.35	0.35	01/06/21 10:51	
Styrene	ug/m3	<0.87	0.87	01/06/21 10:51	
Tetrachloroethene	ug/m3	<0.69	0.69	01/06/21 10:51	
Tetrahydrofuran	ug/m3	<0.60	0.60	01/06/21 10:51	
Toluene	ug/m3	<0.77	0.77	01/06/21 10:51	
trans-1,2-Dichloroethene	ug/m3	<0.81	0.81	01/06/21 10:51	
trans-1,3-Dichloropropene	ug/m3	<0.92	0.92	01/06/21 10:51	
Trichloroethene	ug/m3	<0.55	0.55	01/06/21 10:51	
Trichlorofluoromethane	ug/m3	<1.1	1.1	01/06/21 10:51	
Vinyl acetate	ug/m3	<0.72	0.72	01/06/21 10:51	
Vinyl chloride	ug/m3	<0.26	0.26	01/06/21 10:51	

LABORATORY CONTROL SAMPLE: 3836454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57	50.8	89	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	71.9	72.0	100	70-132	
1,1,2-Trichloroethane	ug/m3	57.3	57.7	101	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	73.5	91	70-130	
1,1-Dichloroethane	ug/m3	42.7	39.1	92	70-133	
1,1-Dichloroethene	ug/m3	41.4	39.0	94	70-130	
1,2,4-Trichlorobenzene	ug/m3	156	141	90	69-132	
1,2,4-Trimethylbenzene	ug/m3	51.5	49.4	96	70-142	
1,2-Dibromoethane (EDB)	ug/m3	80.3	83.8	104	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	57.4	91	70-146	
1,2-Dichloroethane	ug/m3	42.4	39.8	94	70-132	
1,2-Dichloropropane	ug/m3	48.6	47.5	98	70-134	
1,3,5-Trimethylbenzene	ug/m3	51.6	49.8	96	70-143	
1,3-Butadiene	ug/m3	23.3	20.8	89	70-136	
1,3-Dichlorobenzene	ug/m3	63.4	62.8	99	70-145	
1,4-Dichlorobenzene	ug/m3	63.4	58.8	93	70-140	
2-Butanone (MEK)	ug/m3	31.4	31.8	101	50-139	
2-Hexanone	ug/m3	42.8	40.6	95	70-148	
2-Propanol	ug/m3	119	108	90	67-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT AIR 12/14

Pace Project No.: 70156566

LABORATORY CONTROL SAMPLE: 3836454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.4	51.7	99	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	51.2	117	70-139	
Acetone	ug/m3	126	105	83	64-130	
Benzene	ug/m3	33.5	32.8	98	70-131	
Benzyl chloride	ug/m3	55.1	48.1	87	70-130	
Bromodichloromethane	ug/m3	71.5	67.8	95	70-133	
Bromoform	ug/m3	110	118	107	70-137	
Bromomethane	ug/m3	41.3	34.4	83	64-134	
Carbon disulfide	ug/m3	33.3	30.7	92	70-131	
Carbon tetrachloride	ug/m3	66.2	63.0	95	70-131	
Chlorobenzene	ug/m3	48.3	48.1	100	70-130	
Chloroethane	ug/m3	28.1	26.6	95	69-141	
Chloroform	ug/m3	51.1	46.5	91	70-130	
Chloromethane	ug/m3	21.9	19.6	90	70-130	
cis-1,2-Dichloroethene	ug/m3	41.6	42.3	101	70-137	
cis-1,3-Dichloropropene	ug/m3	47.7	47.6	100	70-144	
Cyclohexane	ug/m3	36.7	39.9	109	70-137	
Dibromochloromethane	ug/m3	90.7	87.6	96	70-132	
Dichlorodifluoromethane	ug/m3	51.6	44.6	86	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	65.4	90	70-130	
Ethanol	ug/m3	103	89.9	87	63-133	
Ethyl acetate	ug/m3	38.6	39.8	103	70-136	
Ethylbenzene	ug/m3	45.6	53.6	117	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	107	96	70-135	
m&p-Xylene	ug/m3	91.2	110	121	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	40.0	104	70-143	
Methylene Chloride	ug/m3	182	165	91	70-130	
n-Heptane	ug/m3	43.6	47.7	109	70-137	
n-Hexane	ug/m3	37.6	39.9	106	70-135	
Naphthalene	ug/m3	57.7	51.7	90	67-132	
o-Xylene	ug/m3	45.5	53.0	117	70-141	
Propylene	ug/m3	18.2	16.9	93	70-130	
Styrene	ug/m3	44.9	44.2	98	70-142	
Tetrachloroethene	ug/m3	71	68.1	96	70-130	
Tetrahydrofuran	ug/m3	31.5	34.4	109	70-136	
Toluene	ug/m3	39.5	45.5	115	70-138	
trans-1,2-Dichloroethene	ug/m3	42.2	41.0	97	70-130	
trans-1,3-Dichloropropene	ug/m3	47.7	47.4	99	70-145	
Trichloroethene	ug/m3	56.3	54.3	96	70-130	
Trichlorofluoromethane	ug/m3	59.7	52.2	87	69-135	
Vinyl acetate	ug/m3	34.5	34.4	100	70-146	
Vinyl chloride	ug/m3	26.7	24.0	90	70-137	

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QUALITY CONTROL DATA

Project: MIN MILT AIR 12/14
Pace Project No.: 70156566

SAMPLE DUPLICATE: 3837152

Parameter	Units	10543410001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.27	<1.6		
1,1,2,2-Tetrachloroethane	ug/m3	<0.30	<0.98		
1,1,2-Trichloroethane	ug/m3	<0.25	<0.78		
1,1,2-Trichlorotrifluoroethane	ug/m3	0.51J	<2.2		
1,1-Dichloroethane	ug/m3	<0.18	<1.2		
1,1-Dichloroethene	ug/m3	<0.18	<1.1		
1,2,4-Trichlorobenzene	ug/m3	<5.5	<21.3		
1,2,4-Trimethylbenzene	ug/m3	1.0J	<1.4		
1,2-Dibromoethane (EDB)	ug/m3	<0.33	<1.1		
1,2-Dichlorobenzene	ug/m3	<1.0	<4.3		
1,2-Dichloroethane	ug/m3	<0.18	<0.58		
1,2-Dichloropropane	ug/m3	<0.26	<1.3		
1,3,5-Trimethylbenzene	ug/m3	<0.29	<1.4		
1,3-Butadiene	ug/m3	<0.16	<0.63		
1,3-Dichlorobenzene	ug/m3	<1.2	<1.7		
1,4-Dichlorobenzene	ug/m3	<1.4	<4.3		
2-Butanone (MEK)	ug/m3	<1.2	<4.2		
2-Hexanone	ug/m3	<1.1	<5.9		
2-Propanol	ug/m3	3.3J	<3.5		
4-Ethyltoluene	ug/m3	<0.30	<3.5		
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.16	<5.9		
Acetone	ug/m3	4.6J	<8.5		
Benzene	ug/m3	0.47	0.46	3	
Benzyl chloride	ug/m3	<1.9	<3.7		
Bromodichloromethane	ug/m3	<0.32	<1.9		
Bromoform	ug/m3	<1.3	<7.4		
Bromomethane	ug/m3	<0.25	<1.1		
Carbon disulfide	ug/m3	<0.15	<0.89		
Carbon tetrachloride	ug/m3	<0.30	<1.8		
Chlorobenzene	ug/m3	<0.23	<1.3		
Chloroethane	ug/m3	<0.19	<0.76		
Chloroform	ug/m3	<0.21	<0.70		
Chloromethane	ug/m3	0.90	0.95	5	
cis-1,2-Dichloroethene	ug/m3	<0.20	<1.1		
cis-1,3-Dichloropropene	ug/m3	<0.23	<1.3		
Cyclohexane	ug/m3	0.35J	<2.5		
Dibromochloromethane	ug/m3	<0.47	<2.4		
Dichlorodifluoromethane	ug/m3	2.3	2.3	1	
Dichlorotetrafluoroethane	ug/m3	<0.34	<2.0		
Ethanol	ug/m3	30.2	30.3	0	
Ethyl acetate	ug/m3	<0.17	<1.0		
Ethylbenzene	ug/m3	<0.22	<1.2		
Hexachloro-1,3-butadiene	ug/m3	<2.7	<7.6		
m&p-Xylene	ug/m3	<0.54	<2.5		
Methyl-tert-butyl ether	ug/m3	<0.19	<5.2		
Methylene Chloride	ug/m3	2.2J	<5.0		
n-Heptane	ug/m3	0.27J	<1.2		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN MILT AIR 12/14

Pace Project No.: 70156566

SAMPLE DUPLICATE: 3837152

Parameter	Units	10543410001 Result	Dup Result	RPD	Qualifiers
n-Hexane	ug/m3	0.45J	<1.0		
Naphthalene	ug/m3	2.9J	<3.8		
o-Xylene	ug/m3	<0.21	<1.2		
Propylene	ug/m3	<0.34	<0.49		
Styrene	ug/m3	<0.38	<1.2		
Tetrachloroethene	ug/m3	<0.35	<0.97		
Tetrahydrofuran	ug/m3	<0.18	<0.85		
Toluene	ug/m3	0.75J	<1.1		
trans-1,2-Dichloroethene	ug/m3	0.63J	<1.1		
trans-1,3-Dichloropropene	ug/m3	<0.94	<1.3		
Trichloroethene	ug/m3	<0.30	<0.77		
Trichlorofluoromethane	ug/m3	1.3J	<1.6		
Vinyl acetate	ug/m3	<0.16	<1.0		
Vinyl chloride	ug/m3	<0.12	<0.37		

SAMPLE DUPLICATE: 3837153

Parameter	Units	10543410002 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.25	<1.5		
1,1,2,2-Tetrachloroethane	ug/m3	<0.29	<0.94		
1,1,2-Trichloroethane	ug/m3	<0.23	<0.74		
1,1,2-Trichlorotrifluoroethane	ug/m3	0.54J	<2.1		
1,1-Dichloroethane	ug/m3	<0.17	<1.1		
1,1-Dichloroethene	ug/m3	<0.17	<1.1		
1,2,4-Trichlorobenzene	ug/m3	<5.2	<20.2		
1,2,4-Trimethylbenzene	ug/m3	0.96J	<1.3		
1,2-Dibromoethane (EDB)	ug/m3	<0.31	<1.0		
1,2-Dichlorobenzene	ug/m3	<0.97	<4.1		
1,2-Dichloroethane	ug/m3	<0.18	<0.55		
1,2-Dichloropropane	ug/m3	<0.24	<1.3		
1,3,5-Trimethylbenzene	ug/m3	<0.27	<1.3		
1,3-Butadiene	ug/m3	<0.15	<0.60		
1,3-Dichlorobenzene	ug/m3	<1.1	<1.6		
1,4-Dichlorobenzene	ug/m3	<1.3	<4.1		
2-Butanone (MEK)	ug/m3	2.8J	<4.0		
2-Hexanone	ug/m3	1.6J	<5.6		
2-Propanol	ug/m3	6.0	5.8	2	
4-Ethyltoluene	ug/m3	<0.29	<3.4		
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.15	<5.6		
Acetone	ug/m3	14.2	13.9	2	
Benzene	ug/m3	0.53	0.54	3	
Benzyl chloride	ug/m3	<1.8	<3.5		
Bromodichloromethane	ug/m3	<0.30	<1.8		
Bromoform	ug/m3	<1.2	<7.0		
Bromomethane	ug/m3	<0.24	<1.1		

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QUALITY CONTROL DATA

Project: MIN MILT AIR 12/14

Pace Project No.: 70156566

SAMPLE DUPLICATE: 3837153

Parameter	Units	10543410002 Result	Dup Result	RPD	Qualifiers
Carbon disulfide	ug/m3	<0.14	<0.85		
Carbon tetrachloride	ug/m3	<0.29	<1.7		
Chlorobenzene	ug/m3	<0.22	<1.3		
Chloroethane	ug/m3	<0.18	<0.72		
Chloroform	ug/m3	<0.20	<0.66		
Chloromethane	ug/m3	1.0	0.93	11	
cis-1,2-Dichloroethene	ug/m3	<0.19	<1.1		
cis-1,3-Dichloropropene	ug/m3	<0.22	<1.2		
Cyclohexane	ug/m3	<0.25	<2.3		
Dibromochloromethane	ug/m3	<0.44	<2.3		
Dichlorodifluoromethane	ug/m3	2.4	2.3	5	
Dichlorotetrafluoroethane	ug/m3	<0.32	<1.9		
Ethanol	ug/m3	20.4	19.3	6	
Ethyl acetate	ug/m3	<0.16	<0.98		
Ethylbenzene	ug/m3	0.21J	<1.2		
Hexachloro-1,3-butadiene	ug/m3	<2.6	<7.3		
m&p-Xylene	ug/m3	0.63J	<2.4		
Methyl-tert-butyl ether	ug/m3	<0.18	<4.9		
Methylene Chloride	ug/m3	2.5J	<4.7		
n-Heptane	ug/m3	<0.20	<1.1		
n-Hexane	ug/m3	0.69J	<0.96		
Naphthalene	ug/m3	2.8J	<3.6		
o-Xylene	ug/m3	0.22J	<1.2		
Propylene	ug/m3	<0.32	<0.47		
Styrene	ug/m3	<0.36	<1.2		
Tetrachloroethene	ug/m3	<0.34	<0.92		
Tetrahydrofuran	ug/m3	<0.18	<0.80		
Toluene	ug/m3	1.2	1.2	1	
trans-1,2-Dichloroethene	ug/m3	<0.22	<1.1		
trans-1,3-Dichloropropene	ug/m3	<0.89	<1.2		
Trichloroethene	ug/m3	<0.28	<0.73		
Trichlorofluoromethane	ug/m3	1.3J	<1.5		
Vinyl acetate	ug/m3	<0.15	<0.96		
Vinyl chloride	ug/m3	<0.11	<0.35		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MIN MILT AIR 12/14

Pace Project No.: 70156566

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 70156566001

[1] Analysis performed at 1800 Elm Street.

ANALYTE QUALIFIERS

C8 Result may be biased high due to carryover from previously analyzed sample.

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN MILT AIR 12/14

Pace Project No.: 70156566

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70156566001	SVE-INF	TO-15	719096		

REPORT OF LABORATORY ANALYSIS

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

42150

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: AWGS		Report To: Kaitlyn Chesky		Attention: Same as Chesky	
Address: 630 Johnson Ave Bohemia, NY 11716		Copy To:		Company Name:	
Email To: Kerosby@pawgprogress.com		Purchase Order No.:		Address:	
Phone: 631-5896335		Project Name: Min Mill		Pace Quote Reference: Betty Harrison	
Requested Due Date/TAT: Standard		Project Number: MIN1001		Pace Project Manager/Sales Rep.	
Valid Media Codes		Pace Profile #:		Pace Project Manager/Sales Rep.	
Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE		COLLECTED MEDIA CODE 60C		Canister Pressure (Initial Field - In Hg) Canister Pressure (Final Field - In Hg)	
TB 1 Liter Summa Can 6LC 6LP Low Volume Puff High Volume Puff Other		DATE TIME 12-14-20 1505		Summa Can Number 3427	
SVE-TNF		DATE TIME 12-14-20 1540		Flow Control Number	
12		DATE TIME 12-14-20 15:40		Method: PM10 3C - Fixed Gas (%) TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List Other	
11		DATE TIME 12-14-20 15:40		Report Level II ___ III ___ IV ___ Other ___	
10		DATE TIME 12-14-20 15:40		Location of Sampling by State Reporting Units ug/m ³ _____ mg/m ³ _____ PPBV _____ PPMV _____ Other _____	
9		DATE TIME 12-14-20 15:40		Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
8		DATE TIME 12-14-20 15:40		Method: PM10 3C - Fixed Gas (%) TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List Other	
7		DATE TIME 12-14-20 15:40		Method: PM10 3C - Fixed Gas (%) TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List Other	
6		DATE TIME 12-14-20 15:40		Method: PM10 3C - Fixed Gas (%) TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List Other	
5		DATE TIME 12-14-20 15:40		Method: PM10 3C - Fixed Gas (%) TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List Other	
4		DATE TIME 12-14-20 15:40		Method: PM10 3C - Fixed Gas (%) TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List Other	
3		DATE TIME 12-14-20 15:40		Method: PM10 3C - Fixed Gas (%) TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List Other	
2		DATE TIME 12-14-20 15:40		Method: PM10 3C - Fixed Gas (%) TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List Other	
1		DATE TIME 12-14-20 15:40		Method: PM10 3C - Fixed Gas (%) TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List Other	

WO#: 70156566

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Mr. Chen PWCC	12-14-20	1540	Janet K...	12-14-20	15:40	Temp in °C Received on ice Custody Sealed Cooler Samples Intact
						Y/N Y/N Y/N Y/N Y/N Y/N
						Y/N Y/N Y/N Y/N Y/N Y/N
						Y/N Y/N Y/N Y/N Y/N Y/N
						Y/N Y/N Y/N Y/N Y/N Y/N

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: **Kaitlyn Chesky**
 SIGNATURE of SAMPLER: *[Signature]*
 DATE Signed (MM/DD/YYYY): **12/14/20**

ORIGINAL



Sample Condition Upon Receipt

WO#: 70156566

Client Name: PWG

Project: _____

PM: EMH

Due Date: 12/29/20

CLIENT: PWG

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes NoPacking Material: Bubble Wrap Bubble Bags Ziploc None OtherThermometer Used: T1091 Correction Factor: -0.2

Cooler Temperature(°C): _____ Cooler Temperature Corrected(°C): _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)Date and Initials of person examining contents: 12/14/2020Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes NoDid samples originate from a foreign source including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: SL WT OIL <u>ATS</u>		
All containers needing preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____		

Client Notification/ Resolution: _____

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

July 08, 2021

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT AIR 6/24
Pace Project No.: 70178634

Dear Kaitlyn Crosby:

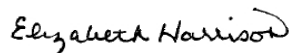
Enclosed are the analytical results for sample(s) received by the laboratory on June 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT AIR 6/24
Pace Project No.: 70178634

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MINMILT AIR 6/24

Pace Project No.: 70178634

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70178634001	SVE-INF	TO-15	MJL	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT AIR 6/24

Pace Project No.: 70178634

Sample: SVE-INF	Lab ID: 70178634001	Collected: 06/24/21 08:00	Received: 06/28/21 09:31	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Acetone	38.4	ug/m3	8.4	1.39		07/06/21 20:32	67-64-1	
Benzene	1.8	ug/m3	0.045	1.39		07/06/21 20:32	71-43-2	
Benzyl chloride	<3.7	ug/m3	3.7	1.39		07/06/21 20:32	100-44-7	
Bromodichloromethane	0.35	ug/m3	0.095	1.39		07/06/21 20:32	75-27-4	
Bromoform	<7.3	ug/m3	7.3	1.39		07/06/21 20:32	75-25-2	
Bromomethane	<1.1	ug/m3	1.1	1.39		07/06/21 20:32	74-83-9	
1,3-Butadiene	<0.063	ug/m3	0.063	1.39		07/06/21 20:32	106-99-0	
2-Butanone (MEK)	9.2	ug/m3	4.2	1.39		07/06/21 20:32	78-93-3	
Carbon disulfide	3.6	ug/m3	0.88	1.39		07/06/21 20:32	75-15-0	
Carbon tetrachloride	0.32	ug/m3	0.18	1.39		07/06/21 20:32	56-23-5	
Chlorobenzene	<1.3	ug/m3	1.3	1.39		07/06/21 20:32	108-90-7	
Chloroethane	11.7	ug/m3	0.75	1.39		07/06/21 20:32	75-00-3	
Chloroform	18.0	ug/m3	0.14	1.39		07/06/21 20:32	67-66-3	
Chloromethane	2.3	ug/m3	0.58	1.39		07/06/21 20:32	74-87-3	
Cyclohexane	7.8	ug/m3	2.4	1.39		07/06/21 20:32	110-82-7	
Dibromochloromethane	<2.4	ug/m3	2.4	1.39		07/06/21 20:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.11	ug/m3	0.11	1.39		07/06/21 20:32	106-93-4	
1,2-Dichlorobenzene	<4.3	ug/m3	4.3	1.39		07/06/21 20:32	95-50-1	
1,3-Dichlorobenzene	<4.3	ug/m3	4.3	1.39		07/06/21 20:32	541-73-1	
1,4-Dichlorobenzene	<4.3	ug/m3	4.3	1.39		07/06/21 20:32	106-46-7	
Dichlorodifluoromethane	6.5	ug/m3	1.4	1.39		07/06/21 20:32	75-71-8	
1,1-Dichloroethane	603	ug/m3	3.4	41.7		07/06/21 21:04	75-34-3	
1,2-Dichloroethane	0.61	ug/m3	0.11	1.39		07/06/21 20:32	107-06-2	
1,1-Dichloroethene	4.7	ug/m3	0.11	1.39		07/06/21 20:32	75-35-4	
cis-1,2-Dichloroethene	1660	ug/m3	3.4	41.7		07/06/21 21:04	156-59-2	
trans-1,2-Dichloroethene	20.7	ug/m3	0.11	1.39		07/06/21 20:32	156-60-5	
1,2-Dichloropropane	0.43	ug/m3	0.065	1.39		07/06/21 20:32	78-87-5	
cis-1,3-Dichloropropene	<3.2	ug/m3	3.2	1.39		07/06/21 20:32	10061-01-5	
trans-1,3-Dichloropropene	<3.2	ug/m3	3.2	1.39		07/06/21 20:32	10061-02-6	
Dichlorotetrafluoroethane	3.8	ug/m3	2.0	1.39		07/06/21 20:32	76-14-2	
Ethanol	70.1	ug/m3	2.7	1.39		07/06/21 20:32	64-17-5	
Ethyl acetate	17.2	ug/m3	1.0	1.39		07/06/21 20:32	141-78-6	
Ethylbenzene	5.0	ug/m3	1.2	1.39		07/06/21 20:32	100-41-4	
4-Ethyltoluene	<3.5	ug/m3	3.5	1.39		07/06/21 20:32	622-96-8	
n-Heptane	6.9	ug/m3	1.2	1.39		07/06/21 20:32	142-82-5	
Hexachloro-1,3-butadiene	<7.5	ug/m3	7.5	1.39		07/06/21 20:32	87-68-3	
n-Hexane	3.9	ug/m3	1.0	1.39		07/06/21 20:32	110-54-3	
2-Hexanone	<5.8	ug/m3	5.8	1.39		07/06/21 20:32	591-78-6	
Methylene Chloride	<4.9	ug/m3	4.9	1.39		07/06/21 20:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.8	ug/m3	5.8	1.39		07/06/21 20:32	108-10-1	
Methyl-tert-butyl ether	<5.1	ug/m3	5.1	1.39		07/06/21 20:32	1634-04-4	
Naphthalene	<3.7	ug/m3	3.7	1.39		07/06/21 20:32	91-20-3	
2-Propanol	45.7	ug/m3	3.5	1.39		07/06/21 20:32	67-63-0	
Propylene	30.7	ug/m3	1.2	1.39		07/06/21 20:32	115-07-1	
Styrene	4.0	ug/m3	1.2	1.39		07/06/21 20:32	100-42-5	
1,1,2,2-Tetrachloroethane	<0.19	ug/m3	0.19	1.39		07/06/21 20:32	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT AIR 6/24

Pace Project No.: 70178634

Sample: SVE-INF	Lab ID: 70178634001	Collected: 06/24/21 08:00	Received: 06/28/21 09:31	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Tetrachloroethene	1910	ug/m3	2.9	41.7		07/06/21 21:04	127-18-4	
Tetrahydrofuran	1.6	ug/m3	0.83	1.39		07/06/21 20:32	109-99-9	
Toluene	51.6	ug/m3	1.1	1.39		07/06/21 20:32	108-88-3	
1,2,4-Trichlorobenzene	<10.5	ug/m3	10.5	1.39		07/06/21 20:32	120-82-1	
1,1,1-Trichloroethane	20.1	ug/m3	0.15	1.39		07/06/21 20:32	71-55-6	
1,1,2-Trichloroethane	<0.077	ug/m3	0.077	1.39		07/06/21 20:32	79-00-5	
Trichloroethene	95.0	ug/m3	0.076	1.39		07/06/21 20:32	79-01-6	
Trichlorofluoromethane	3.4	ug/m3	1.6	1.39		07/06/21 20:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/m3	2.2	1.39		07/06/21 20:32	76-13-1	
1,2,4-Trimethylbenzene	<1.4	ug/m3	1.4	1.39		07/06/21 20:32	95-63-6	
1,3,5-Trimethylbenzene	<1.4	ug/m3	1.4	1.39		07/06/21 20:32	108-67-8	
Vinyl acetate	<1.0	ug/m3	1.0	1.39		07/06/21 20:32	108-05-4	
Vinyl chloride	0.72	ug/m3	0.036	1.39		07/06/21 20:32	75-01-4	
m&p-Xylene	16.6	ug/m3	2.5	1.39		07/06/21 20:32	179601-23-1	
o-Xylene	7.3	ug/m3	1.2	1.39		07/06/21 20:32	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT AIR 6/24
Pace Project No.: 70178634

QC Batch: 753963	Analysis Method: TO-15
QC Batch Method: TO-15	Analysis Description: TO15 MSV AIR SIM SCAN
	Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 70178634001

METHOD BLANK: 4020749 Matrix: Air
Associated Lab Samples: 70178634001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.11	0.11	07/06/21 11:30	
1,1,2,2-Tetrachloroethane	ug/m3	<0.14	0.14	07/06/21 11:30	
1,1,2-Trichloroethane	ug/m3	<0.056	0.056	07/06/21 11:30	
1,1,2-Trichlorotrifluoroethane	ug/m3	<1.6	1.6	07/06/21 11:30	
1,1-Dichloroethane	ug/m3	<0.082	0.082	07/06/21 11:30	
1,1-Dichloroethene	ug/m3	<0.081	0.081	07/06/21 11:30	
1,2,4-Trichlorobenzene	ug/m3	<7.5	7.5	07/06/21 11:30	
1,2,4-Trimethylbenzene	ug/m3	<1.0	1.0	07/06/21 11:30	
1,2-Dibromoethane (EDB)	ug/m3	<0.078	0.078	07/06/21 11:30	
1,2-Dichlorobenzene	ug/m3	<3.1	3.1	07/06/21 11:30	
1,2-Dichloroethane	ug/m3	<0.082	0.082	07/06/21 11:30	
1,2-Dichloropropane	ug/m3	<0.047	0.047	07/06/21 11:30	
1,3,5-Trimethylbenzene	ug/m3	<1.0	1.0	07/06/21 11:30	
1,3-Butadiene	ug/m3	<0.045	0.045	07/06/21 11:30	
1,3-Dichlorobenzene	ug/m3	<3.1	3.1	07/06/21 11:30	
1,4-Dichlorobenzene	ug/m3	<3.1	3.1	07/06/21 11:30	
2-Butanone (MEK)	ug/m3	<3.0	3.0	07/06/21 11:30	
2-Hexanone	ug/m3	<4.2	4.2	07/06/21 11:30	
2-Propanol	ug/m3	<2.5	2.5	07/06/21 11:30	
4-Ethyltoluene	ug/m3	<2.5	2.5	07/06/21 11:30	
4-Methyl-2-pentanone (MIBK)	ug/m3	<4.2	4.2	07/06/21 11:30	
Acetone	ug/m3	<6.0	6.0	07/06/21 11:30	
Benzene	ug/m3	<0.032	0.032	07/06/21 11:30	
Benzyl chloride	ug/m3	<2.6	2.6	07/06/21 11:30	
Bromodichloromethane	ug/m3	<0.068	0.068	07/06/21 11:30	
Bromoform	ug/m3	<5.2	5.2	07/06/21 11:30	
Bromomethane	ug/m3	<0.79	0.79	07/06/21 11:30	
Carbon disulfide	ug/m3	<0.63	0.63	07/06/21 11:30	
Carbon tetrachloride	ug/m3	<0.13	0.13	07/06/21 11:30	
Chlorobenzene	ug/m3	<0.94	0.94	07/06/21 11:30	
Chloroethane	ug/m3	<0.54	0.54	07/06/21 11:30	
Chloroform	ug/m3	<0.099	0.099	07/06/21 11:30	
Chloromethane	ug/m3	<0.42	0.42	07/06/21 11:30	
cis-1,2-Dichloroethene	ug/m3	<0.081	0.081	07/06/21 11:30	
cis-1,3-Dichloropropene	ug/m3	<2.3	2.3	07/06/21 11:30	
Cyclohexane	ug/m3	<1.8	1.8	07/06/21 11:30	
Dibromochloromethane	ug/m3	<1.7	1.7	07/06/21 11:30	
Dichlorodifluoromethane	ug/m3	<1.0	1.0	07/06/21 11:30	
Dichlorotetrafluoroethane	ug/m3	<1.4	1.4	07/06/21 11:30	
Ethanol	ug/m3	<1.9	1.9	07/06/21 11:30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT AIR 6/24
Pace Project No.: 70178634

METHOD BLANK: 4020749

Matrix: Air

Associated Lab Samples: 70178634001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.73	0.73	07/06/21 11:30	
Ethylbenzene	ug/m3	<0.88	0.88	07/06/21 11:30	
Hexachloro-1,3-butadiene	ug/m3	<5.4	5.4	07/06/21 11:30	
m&p-Xylene	ug/m3	<1.8	1.8	07/06/21 11:30	
Methyl-tert-butyl ether	ug/m3	<3.7	3.7	07/06/21 11:30	
Methylene Chloride	ug/m3	<3.5	3.5	07/06/21 11:30	
n-Heptane	ug/m3	<0.83	0.83	07/06/21 11:30	
n-Hexane	ug/m3	<0.72	0.72	07/06/21 11:30	
Naphthalene	ug/m3	<2.7	2.7	07/06/21 11:30	
o-Xylene	ug/m3	<0.88	0.88	07/06/21 11:30	
Propylene	ug/m3	<0.88	0.88	07/06/21 11:30	
Styrene	ug/m3	<0.87	0.87	07/06/21 11:30	
Tetrachloroethene	ug/m3	<0.069	0.069	07/06/21 11:30	
Tetrahydrofuran	ug/m3	<0.60	0.60	07/06/21 11:30	
Toluene	ug/m3	<0.77	0.77	07/06/21 11:30	
trans-1,2-Dichloroethene	ug/m3	<0.081	0.081	07/06/21 11:30	
trans-1,3-Dichloropropene	ug/m3	<2.3	2.3	07/06/21 11:30	
Trichloroethene	ug/m3	<0.055	0.055	07/06/21 11:30	
Trichlorofluoromethane	ug/m3	<1.1	1.1	07/06/21 11:30	
Vinyl acetate	ug/m3	<0.72	0.72	07/06/21 11:30	
Vinyl chloride	ug/m3	<0.026	0.026	07/06/21 11:30	

LABORATORY CONTROL SAMPLE: 4020750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	0.59	0.62	104	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	0.75	0.69	92	70-132	
1,1,2-Trichloroethane	ug/m3	0.6	0.61	103	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	83.6	80.9	97	70-130	
1,1-Dichloroethane	ug/m3	0.44	0.46	104	70-133	
1,1-Dichloroethene	ug/m3	0.44	0.47	109	70-130	
1,2,4-Trichlorobenzene	ug/m3	177	165	93	69-132	
1,2,4-Trimethylbenzene	ug/m3	54	59.7	110	70-142	
1,2-Dibromoethane (EDB)	ug/m3	0.82	0.84	101	70-138	
1,2-Dichlorobenzene	ug/m3	66.2	63.7	96	70-146	
1,2-Dichloroethane	ug/m3	0.44	0.46	104	70-132	
1,2-Dichloropropane	ug/m3	0.51	0.51	102	70-134	
1,3,5-Trimethylbenzene	ug/m3	53.7	57.3	107	70-143	
1,3-Butadiene	ug/m3	0.24	0.25	104	70-136	
1,3-Dichlorobenzene	ug/m3	66.3	65.3	98	70-145	
1,4-Dichlorobenzene	ug/m3	66.3	62.8	95	70-140	
2-Butanone (MEK)	ug/m3	32.3	32.8	101	50-139	
2-Hexanone	ug/m3	44.8	37.4	84	70-148	
2-Propanol	ug/m3	149	143	96	67-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT AIR 6/24

Pace Project No.: 70178634

LABORATORY CONTROL SAMPLE: 4020750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	53.7	61.1	114	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	44.9	45.9	102	70-139	
Acetone	ug/m3	128	135	105	64-130	
Benzene	ug/m3	0.35	0.36	103	70-131	
Benzyl chloride	ug/m3	57.6	53.4	93	70-130	
Bromodichloromethane	ug/m3	0.73	0.76	104	70-133	
Bromoform	ug/m3	114	112	98	70-137	
Bromomethane	ug/m3	42.5	38.5	91	64-134	
Carbon disulfide	ug/m3	34.4	33.9	98	70-131	
Carbon tetrachloride	ug/m3	0.69	0.70	101	70-131	
Chlorobenzene	ug/m3	50.2	51.4	103	70-130	
Chloroethane	ug/m3	28.8	25.5	89	69-141	
Chloroform	ug/m3	0.52	0.54	103	70-130	
Chloromethane	ug/m3	22.6	21.3	95	70-130	
cis-1,2-Dichloroethene	ug/m3	0.43	0.44	101	70-137	
cis-1,3-Dichloropropene	ug/m3	49.4	53.0	107	70-144	
Cyclohexane	ug/m3	37.4	34.8	93	70-137	
Dibromochloromethane	ug/m3	93.2	91.5	98	70-132	
Dichlorodifluoromethane	ug/m3	54.6	53.2	97	70-130	
Dichlorotetrafluoroethane	ug/m3	71.2	72.7	102	70-130	
Ethanol	ug/m3	124	97.4	79	63-133	
Ethyl acetate	ug/m3	38.9	40.7	105	70-136	
Ethylbenzene	ug/m3	47.8	49.0	102	70-142	
Hexachloro-1,3-butadiene	ug/m3	133	136	102	70-135	
m&p-Xylene	ug/m3	95.4	97.8	102	70-141	
Methyl-tert-butyl ether	ug/m3	39.6	38.5	97	70-143	
Methylene Chloride	ug/m3	190	171	90	70-130	
n-Heptane	ug/m3	44.6	40.6	91	70-137	
n-Hexane	ug/m3	38	34.8	91	70-135	
Naphthalene	ug/m3	65.2	61.6	94	67-132	
o-Xylene	ug/m3	47.6	48.0	101	70-141	
Propylene	ug/m3	18.9	15.2	80	70-130	
Styrene	ug/m3	47	54.9	117	70-142	
Tetrachloroethene	ug/m3	0.73	0.76	104	70-130	
Tetrahydrofuran	ug/m3	32.1	30.4	95	70-136	
Toluene	ug/m3	41.6	41.9	101	70-138	
trans-1,2-Dichloroethene	ug/m3	0.44	0.45	103	70-130	
trans-1,3-Dichloropropene	ug/m3	50.5	58.9	117	70-145	
Trichloroethene	ug/m3	0.58	0.63	107	70-130	
Trichlorofluoromethane	ug/m3	62	69.2	112	69-135	
Vinyl acetate	ug/m3	46.4	47.8	103	70-146	
Vinyl chloride	ug/m3	0.28	0.30	106	70-137	

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QUALITY CONTROL DATA

Project: MINMILT AIR 6/24

Pace Project No.: 70178634

SAMPLE DUPLICATE: 4022511

Parameter	Units	10568294001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.19		
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.24		
1,1,2-Trichloroethane	ug/m3	ND	<0.093		
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<2.6		
1,1-Dichloroethane	ug/m3	ND	<0.14		
1,1-Dichloroethene	ug/m3	ND	<0.14		
1,2,4-Trichlorobenzene	ug/m3	ND	<12.7		
1,2,4-Trimethylbenzene	ug/m3	ND	<1.7		
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.13		
1,2-Dichlorobenzene	ug/m3	ND	<5.1		
1,2-Dichloroethane	ug/m3	0.16	0.16	2	
1,2-Dichloropropane	ug/m3	ND	<0.079		
1,3,5-Trimethylbenzene	ug/m3	ND	<1.7		
1,3-Butadiene	ug/m3	ND	<0.076		
1,3-Dichlorobenzene	ug/m3	ND	<5.1		
1,4-Dichlorobenzene	ug/m3	ND	<5.1		
2-Butanone (MEK)	ug/m3	ND	<5.0		
2-Hexanone	ug/m3	ND	<7.0		
2-Propanol	ug/m3	35.9	32.7	9	
4-Ethyltoluene	ug/m3	ND	<4.2		
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<7.0		
Acetone	ug/m3	18.9	18.2	4	
Benzene	ug/m3	0.60	0.58	3	
Benzyl chloride	ug/m3	ND	<4.4		
Bromodichloromethane	ug/m3	ND	<0.11		
Bromoform	ug/m3	ND	<8.8		
Bromomethane	ug/m3	ND	<1.3		
Carbon disulfide	ug/m3	2.3	2.3	1	
Carbon tetrachloride	ug/m3	0.69	0.68	1	
Chlorobenzene	ug/m3	ND	<1.6		
Chloroethane	ug/m3	ND	<0.90		
Chloroform	ug/m3	0.34	0.34	1	
Chloromethane	ug/m3	1.2	1.2	4	
cis-1,2-Dichloroethene	ug/m3	ND	<0.14		
cis-1,3-Dichloropropene	ug/m3	ND	<3.9		
Cyclohexane	ug/m3	ND	<2.9		
Dibromochloromethane	ug/m3	ND	<2.9		
Dichlorodifluoromethane	ug/m3	3.1	2.8	8	
Dichlorotetrafluoroethane	ug/m3	ND	<2.4		
Ethanol	ug/m3	381	413	8	
Ethyl acetate	ug/m3	6.1	6.0	1	
Ethylbenzene	ug/m3	ND	<1.5		
Hexachloro-1,3-butadiene	ug/m3	ND	<9.1		
m&p-Xylene	ug/m3	ND	<3.0		
Methyl-tert-butyl ether	ug/m3	ND	<6.1		
Methylene Chloride	ug/m3	ND	<5.9		
n-Heptane	ug/m3	ND	<1.4		

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QUALITY CONTROL DATA

Project: MINMILT AIR 6/24

Pace Project No.: 70178634

SAMPLE DUPLICATE: 4022511

Parameter	Units	10568294001 Result	Dup Result	RPD	Qualifiers
n-Hexane	ug/m3	ND	<1.2		
Naphthalene	ug/m3	ND	<4.5		
o-Xylene	ug/m3	ND	<1.5		
Propylene	ug/m3	ND	<1.5		
Styrene	ug/m3	ND	<1.5		
Tetrachloroethene	ug/m3	ND	<0.12		
Tetrahydrofuran	ug/m3	ND	<1.0		
Toluene	ug/m3	1.4	1.5		4
trans-1,2-Dichloroethene	ug/m3	ND	<0.14		
trans-1,3-Dichloropropene	ug/m3	ND	<3.9		
Trichloroethene	ug/m3	ND	<0.092		
Trichlorofluoromethane	ug/m3	ND	<1.9		
Vinyl acetate	ug/m3	ND	<1.2		
Vinyl chloride	ug/m3	ND	<0.044		

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QUALIFIERS

Project: MINMILT AIR 6/24

Pace Project No.: 70178634

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT AIR 6/24

Pace Project No.: 70178634

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178634001	SVE-INF	TO-15	753963		

REPORT OF LABORATORY ANALYSIS

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: **PWG-C** Address: **630 Johnson Ave Bohemia, NY 11716** Email To: **K.crosby@pwgcorp.com** Phone: **631-589-6353** Requested Due Date/TAT: **Standard**

Section B Required Project Information: Report To: **Kaitlyn Crosby** Copy To: **[Blank]** Purchase Order No.: **[Blank]** Project Name: **M, n, m, i, f** Project Number: **MFN1001**

Section C Invoice Information: Attention: **Same as Client** Company Name: **[Blank]** Address: **[Blank]** Pace Quote Reference: **[Blank]** Pace Project Manager/Sales Rep: **Betty Harrison** Pace Profile #: **33150**

50586 Page: 1 of 1

Program: UST Superfund Emissions Clean Air Act Voluntary Clean Up Dry Clean RCRA Other

Reporting Units: ug/m³ mg/m³ PPMV PPMV Other

Location of Sampling by State: **NY**

Report Level: II. ___ III. ___ IV. ___ Other: ___

ITEM #	Valid Media Codes	MEDIA	PID Reading (Client only)	COLLECTED		Canister Pressure (Initial Field - In Hg)	Canister Pressure (Final Field - In Hg)	Summa Can Number	Flow Control Number	Method:
				DATE	TIME					
1		Tedlar Bag								
2		1 Liter Summa Can								
3		6 Liter Summa Can								
4		Low Volume Puff								
5		High Volume Puff								
6		Other								
7										
8										
9										
10										
11										
12										

WO#: 70178634

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<i>[Signature]</i>	6-24-21	0830	<i>[Signature]</i>	6-28-21	9:31	Temp in °C: ___ Received on Ice: Y/N ___ Custody Sealed: Y/N ___ Samples Intact: Y/N ___

SAMPLER NAME AND SIGNATURE

PRINT NAME OF SAMPLER: **Kaitlyn Crosby**

SIGNATURE OF SAMPLER: *[Signature]*

DATE SIGNED (MM/DD/YYYY): **06/24/21**

ORIGINAL



Document Name:

Sample Condition Upon Receipt (SCUR) - Air

Document Revised: 24 April 2020

Page 1 of 1

Document No.:

ENV-FRM-MIN4-0113 Rev.00

Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt

Client Name: PW GC

Project #: [Blank]

Courier: Fed Ex UPS USPS Client Pace SpeedDee Commercial See Exception

Tracking Number: 9753 8443 6120

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): Corrected Temp (°C): Thermometer Used: G87A9170600254 G87A9155100842

Temp should be above freezing to 6°C Correction Factor: Date & Initials of Person Examining Contents: 6-28-21 WZ

Type of ice Received Blue Wet None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used? (Tedlar bags not acceptable container for TO-14, TO-15 or APH) -Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Containers Intact? (visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans Y <u>N</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. 1 gauge attached

Gauge # 10AIR26 10AIR34 10AIR35 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
INF	3394	✓	-1	+5					

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of old, incorrect preservative, out of temp, incorrect containers)

July 08, 2021

Betty Harrison
Pace Analytical Services
575 Broad Hollow Rd
Melville, NY 11747

RE: Project: 70178634 P.W. Grosser Engineer
Pace Project No.: 10567592

Dear Betty Harrison:

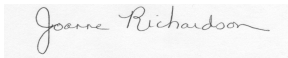
Enclosed are the analytical results for sample(s) received by the laboratory on June 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Joanne M Richardson
joanne.richardson@pacelabs.com
1(612)607-6453
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01*

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081*

New Jersey Certification #: MN002

New York Certification #: 11647*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Ohio VAP Certification (1800) #: CL110*

Oklahoma Certification #: 9507*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001*

Pennsylvania Certification #: 68-00563*

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192*

Utah Certification #: MN00064*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70178634001	SVE-INF	TO-15	MJL	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

Sample: SVE-INF	Lab ID: 70178634001	Collected: 06/24/21 08:00	Received: 06/28/21 09:31	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Acetone	38.4	ug/m3	8.4	1.39		07/06/21 20:32	67-64-1	
Benzene	1.8	ug/m3	0.045	1.39		07/06/21 20:32	71-43-2	
Benzyl chloride	<3.7	ug/m3	3.7	1.39		07/06/21 20:32	100-44-7	
Bromodichloromethane	0.35	ug/m3	0.095	1.39		07/06/21 20:32	75-27-4	
Bromoform	<7.3	ug/m3	7.3	1.39		07/06/21 20:32	75-25-2	
Bromomethane	<1.1	ug/m3	1.1	1.39		07/06/21 20:32	74-83-9	
1,3-Butadiene	<0.063	ug/m3	0.063	1.39		07/06/21 20:32	106-99-0	
2-Butanone (MEK)	9.2	ug/m3	4.2	1.39		07/06/21 20:32	78-93-3	
Carbon disulfide	3.6	ug/m3	0.88	1.39		07/06/21 20:32	75-15-0	
Carbon tetrachloride	0.32	ug/m3	0.18	1.39		07/06/21 20:32	56-23-5	
Chlorobenzene	<1.3	ug/m3	1.3	1.39		07/06/21 20:32	108-90-7	
Chloroethane	11.7	ug/m3	0.75	1.39		07/06/21 20:32	75-00-3	
Chloroform	18.0	ug/m3	0.14	1.39		07/06/21 20:32	67-66-3	
Chloromethane	2.3	ug/m3	0.58	1.39		07/06/21 20:32	74-87-3	
Cyclohexane	7.8	ug/m3	2.4	1.39		07/06/21 20:32	110-82-7	
Dibromochloromethane	<2.4	ug/m3	2.4	1.39		07/06/21 20:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.11	ug/m3	0.11	1.39		07/06/21 20:32	106-93-4	
1,2-Dichlorobenzene	<4.3	ug/m3	4.3	1.39		07/06/21 20:32	95-50-1	
1,3-Dichlorobenzene	<4.3	ug/m3	4.3	1.39		07/06/21 20:32	541-73-1	
1,4-Dichlorobenzene	<4.3	ug/m3	4.3	1.39		07/06/21 20:32	106-46-7	
Dichlorodifluoromethane	6.5	ug/m3	1.4	1.39		07/06/21 20:32	75-71-8	
1,1-Dichloroethane	603	ug/m3	3.4	41.7		07/06/21 21:04	75-34-3	
1,2-Dichloroethane	0.61	ug/m3	0.11	1.39		07/06/21 20:32	107-06-2	
1,1-Dichloroethene	4.7	ug/m3	0.11	1.39		07/06/21 20:32	75-35-4	
cis-1,2-Dichloroethene	1660	ug/m3	3.4	41.7		07/06/21 21:04	156-59-2	
trans-1,2-Dichloroethene	20.7	ug/m3	0.11	1.39		07/06/21 20:32	156-60-5	
1,2-Dichloropropane	0.43	ug/m3	0.065	1.39		07/06/21 20:32	78-87-5	
cis-1,3-Dichloropropene	<3.2	ug/m3	3.2	1.39		07/06/21 20:32	10061-01-5	
trans-1,3-Dichloropropene	<3.2	ug/m3	3.2	1.39		07/06/21 20:32	10061-02-6	
Dichlorotetrafluoroethane	3.8	ug/m3	2.0	1.39		07/06/21 20:32	76-14-2	
Ethanol	70.1	ug/m3	2.7	1.39		07/06/21 20:32	64-17-5	
Ethyl acetate	17.2	ug/m3	1.0	1.39		07/06/21 20:32	141-78-6	
Ethylbenzene	5.0	ug/m3	1.2	1.39		07/06/21 20:32	100-41-4	
4-Ethyltoluene	<3.5	ug/m3	3.5	1.39		07/06/21 20:32	622-96-8	
n-Heptane	6.9	ug/m3	1.2	1.39		07/06/21 20:32	142-82-5	
Hexachloro-1,3-butadiene	<7.5	ug/m3	7.5	1.39		07/06/21 20:32	87-68-3	
n-Hexane	3.9	ug/m3	1.0	1.39		07/06/21 20:32	110-54-3	
2-Hexanone	<5.8	ug/m3	5.8	1.39		07/06/21 20:32	591-78-6	
Methylene Chloride	<4.9	ug/m3	4.9	1.39		07/06/21 20:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.8	ug/m3	5.8	1.39		07/06/21 20:32	108-10-1	
Methyl-tert-butyl ether	<5.1	ug/m3	5.1	1.39		07/06/21 20:32	1634-04-4	
Naphthalene	<3.7	ug/m3	3.7	1.39		07/06/21 20:32	91-20-3	
2-Propanol	45.7	ug/m3	3.5	1.39		07/06/21 20:32	67-63-0	
Propylene	30.7	ug/m3	1.2	1.39		07/06/21 20:32	115-07-1	
Styrene	4.0	ug/m3	1.2	1.39		07/06/21 20:32	100-42-5	
1,1,2,2-Tetrachloroethane	<0.19	ug/m3	0.19	1.39		07/06/21 20:32	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

Sample: SVE-INF	Lab ID: 70178634001	Collected: 06/24/21 08:00	Received: 06/28/21 09:31	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Tetrachloroethene	1910	ug/m3	2.9	41.7		07/06/21 21:04	127-18-4	
Tetrahydrofuran	1.6	ug/m3	0.83	1.39		07/06/21 20:32	109-99-9	
Toluene	51.6	ug/m3	1.1	1.39		07/06/21 20:32	108-88-3	
1,2,4-Trichlorobenzene	<10.5	ug/m3	10.5	1.39		07/06/21 20:32	120-82-1	
1,1,1-Trichloroethane	20.1	ug/m3	0.15	1.39		07/06/21 20:32	71-55-6	
1,1,2-Trichloroethane	<0.077	ug/m3	0.077	1.39		07/06/21 20:32	79-00-5	
Trichloroethene	95.0	ug/m3	0.076	1.39		07/06/21 20:32	79-01-6	
Trichlorofluoromethane	3.4	ug/m3	1.6	1.39		07/06/21 20:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/m3	2.2	1.39		07/06/21 20:32	76-13-1	
1,2,4-Trimethylbenzene	<1.4	ug/m3	1.4	1.39		07/06/21 20:32	95-63-6	
1,3,5-Trimethylbenzene	<1.4	ug/m3	1.4	1.39		07/06/21 20:32	108-67-8	
Vinyl acetate	<1.0	ug/m3	1.0	1.39		07/06/21 20:32	108-05-4	
Vinyl chloride	0.72	ug/m3	0.036	1.39		07/06/21 20:32	75-01-4	
m&p-Xylene	16.6	ug/m3	2.5	1.39		07/06/21 20:32	179601-23-1	
o-Xylene	7.3	ug/m3	1.2	1.39		07/06/21 20:32	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

QC Batch: 753963

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR SIM SCAN

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 70178634001

METHOD BLANK: 4020749

Matrix: Air

Associated Lab Samples: 70178634001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.11	0.11	07/06/21 11:30	
1,1,2,2-Tetrachloroethane	ug/m3	<0.14	0.14	07/06/21 11:30	
1,1,2-Trichloroethane	ug/m3	<0.056	0.056	07/06/21 11:30	
1,1,2-Trichlorotrifluoroethane	ug/m3	<1.6	1.6	07/06/21 11:30	
1,1-Dichloroethane	ug/m3	<0.082	0.082	07/06/21 11:30	
1,1-Dichloroethene	ug/m3	<0.081	0.081	07/06/21 11:30	
1,2,4-Trichlorobenzene	ug/m3	<7.5	7.5	07/06/21 11:30	
1,2,4-Trimethylbenzene	ug/m3	<1.0	1.0	07/06/21 11:30	
1,2-Dibromoethane (EDB)	ug/m3	<0.078	0.078	07/06/21 11:30	
1,2-Dichlorobenzene	ug/m3	<3.1	3.1	07/06/21 11:30	
1,2-Dichloroethane	ug/m3	<0.082	0.082	07/06/21 11:30	
1,2-Dichloropropane	ug/m3	<0.047	0.047	07/06/21 11:30	
1,3,5-Trimethylbenzene	ug/m3	<1.0	1.0	07/06/21 11:30	
1,3-Butadiene	ug/m3	<0.045	0.045	07/06/21 11:30	
1,3-Dichlorobenzene	ug/m3	<3.1	3.1	07/06/21 11:30	
1,4-Dichlorobenzene	ug/m3	<3.1	3.1	07/06/21 11:30	
2-Butanone (MEK)	ug/m3	<3.0	3.0	07/06/21 11:30	
2-Hexanone	ug/m3	<4.2	4.2	07/06/21 11:30	
2-Propanol	ug/m3	<2.5	2.5	07/06/21 11:30	
4-Ethyltoluene	ug/m3	<2.5	2.5	07/06/21 11:30	
4-Methyl-2-pentanone (MIBK)	ug/m3	<4.2	4.2	07/06/21 11:30	
Acetone	ug/m3	<6.0	6.0	07/06/21 11:30	
Benzene	ug/m3	<0.032	0.032	07/06/21 11:30	
Benzyl chloride	ug/m3	<2.6	2.6	07/06/21 11:30	
Bromodichloromethane	ug/m3	<0.068	0.068	07/06/21 11:30	
Bromoform	ug/m3	<5.2	5.2	07/06/21 11:30	
Bromomethane	ug/m3	<0.79	0.79	07/06/21 11:30	
Carbon disulfide	ug/m3	<0.63	0.63	07/06/21 11:30	
Carbon tetrachloride	ug/m3	<0.13	0.13	07/06/21 11:30	
Chlorobenzene	ug/m3	<0.94	0.94	07/06/21 11:30	
Chloroethane	ug/m3	<0.54	0.54	07/06/21 11:30	
Chloroform	ug/m3	<0.099	0.099	07/06/21 11:30	
Chloromethane	ug/m3	<0.42	0.42	07/06/21 11:30	
cis-1,2-Dichloroethene	ug/m3	<0.081	0.081	07/06/21 11:30	
cis-1,3-Dichloropropene	ug/m3	<2.3	2.3	07/06/21 11:30	
Cyclohexane	ug/m3	<1.8	1.8	07/06/21 11:30	
Dibromochloromethane	ug/m3	<1.7	1.7	07/06/21 11:30	
Dichlorodifluoromethane	ug/m3	<1.0	1.0	07/06/21 11:30	
Dichlorotetrafluoroethane	ug/m3	<1.4	1.4	07/06/21 11:30	
Ethanol	ug/m3	<1.9	1.9	07/06/21 11:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

METHOD BLANK: 4020749

Matrix: Air

Associated Lab Samples: 70178634001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.73	0.73	07/06/21 11:30	
Ethylbenzene	ug/m3	<0.88	0.88	07/06/21 11:30	
Hexachloro-1,3-butadiene	ug/m3	<5.4	5.4	07/06/21 11:30	
m&p-Xylene	ug/m3	<1.8	1.8	07/06/21 11:30	
Methyl-tert-butyl ether	ug/m3	<3.7	3.7	07/06/21 11:30	
Methylene Chloride	ug/m3	<3.5	3.5	07/06/21 11:30	
n-Heptane	ug/m3	<0.83	0.83	07/06/21 11:30	
n-Hexane	ug/m3	<0.72	0.72	07/06/21 11:30	
Naphthalene	ug/m3	<2.7	2.7	07/06/21 11:30	
o-Xylene	ug/m3	<0.88	0.88	07/06/21 11:30	
Propylene	ug/m3	<0.88	0.88	07/06/21 11:30	
Styrene	ug/m3	<0.87	0.87	07/06/21 11:30	
Tetrachloroethene	ug/m3	<0.069	0.069	07/06/21 11:30	
Tetrahydrofuran	ug/m3	<0.60	0.60	07/06/21 11:30	
Toluene	ug/m3	<0.77	0.77	07/06/21 11:30	
trans-1,2-Dichloroethene	ug/m3	<0.081	0.081	07/06/21 11:30	
trans-1,3-Dichloropropene	ug/m3	<2.3	2.3	07/06/21 11:30	
Trichloroethene	ug/m3	<0.055	0.055	07/06/21 11:30	
Trichlorofluoromethane	ug/m3	<1.1	1.1	07/06/21 11:30	
Vinyl acetate	ug/m3	<0.72	0.72	07/06/21 11:30	
Vinyl chloride	ug/m3	<0.026	0.026	07/06/21 11:30	

LABORATORY CONTROL SAMPLE: 4020750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	0.59	0.62	104	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	0.75	0.69	92	70-132	
1,1,2-Trichloroethane	ug/m3	0.6	0.61	103	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	83.6	80.9	97	70-130	
1,1-Dichloroethane	ug/m3	0.44	0.46	104	70-133	
1,1-Dichloroethene	ug/m3	0.44	0.47	109	70-130	
1,2,4-Trichlorobenzene	ug/m3	177	165	93	69-132	
1,2,4-Trimethylbenzene	ug/m3	54	59.7	110	70-142	
1,2-Dibromoethane (EDB)	ug/m3	0.82	0.84	101	70-138	
1,2-Dichlorobenzene	ug/m3	66.2	63.7	96	70-146	
1,2-Dichloroethane	ug/m3	0.44	0.46	104	70-132	
1,2-Dichloropropane	ug/m3	0.51	0.51	102	70-134	
1,3,5-Trimethylbenzene	ug/m3	53.7	57.3	107	70-143	
1,3-Butadiene	ug/m3	0.24	0.25	104	70-136	
1,3-Dichlorobenzene	ug/m3	66.3	65.3	98	70-145	
1,4-Dichlorobenzene	ug/m3	66.3	62.8	95	70-140	
2-Butanone (MEK)	ug/m3	32.3	32.8	101	50-139	
2-Hexanone	ug/m3	44.8	37.4	84	70-148	
2-Propanol	ug/m3	149	143	96	67-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

LABORATORY CONTROL SAMPLE: 4020750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	53.7	61.1	114	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	44.9	45.9	102	70-139	
Acetone	ug/m3	128	135	105	64-130	
Benzene	ug/m3	0.35	0.36	103	70-131	
Benzyl chloride	ug/m3	57.6	53.4	93	70-130	
Bromodichloromethane	ug/m3	0.73	0.76	104	70-133	
Bromoform	ug/m3	114	112	98	70-137	
Bromomethane	ug/m3	42.5	38.5	91	64-134	
Carbon disulfide	ug/m3	34.4	33.9	98	70-131	
Carbon tetrachloride	ug/m3	0.69	0.70	101	70-131	
Chlorobenzene	ug/m3	50.2	51.4	103	70-130	
Chloroethane	ug/m3	28.8	25.5	89	69-141	
Chloroform	ug/m3	0.52	0.54	103	70-130	
Chloromethane	ug/m3	22.6	21.3	95	70-130	
cis-1,2-Dichloroethene	ug/m3	0.43	0.44	101	70-137	
cis-1,3-Dichloropropene	ug/m3	49.4	53.0	107	70-144	
Cyclohexane	ug/m3	37.4	34.8	93	70-137	
Dibromochloromethane	ug/m3	93.2	91.5	98	70-132	
Dichlorodifluoromethane	ug/m3	54.6	53.2	97	70-130	
Dichlorotetrafluoroethane	ug/m3	71.2	72.7	102	70-130	
Ethanol	ug/m3	124	97.4	79	63-133	
Ethyl acetate	ug/m3	38.9	40.7	105	70-136	
Ethylbenzene	ug/m3	47.8	49.0	102	70-142	
Hexachloro-1,3-butadiene	ug/m3	133	136	102	70-135	
m&p-Xylene	ug/m3	95.4	97.8	102	70-141	
Methyl-tert-butyl ether	ug/m3	39.6	38.5	97	70-143	
Methylene Chloride	ug/m3	190	171	90	70-130	
n-Heptane	ug/m3	44.6	40.6	91	70-137	
n-Hexane	ug/m3	38	34.8	91	70-135	
Naphthalene	ug/m3	65.2	61.6	94	67-132	
o-Xylene	ug/m3	47.6	48.0	101	70-141	
Propylene	ug/m3	18.9	15.2	80	70-130	
Styrene	ug/m3	47	54.9	117	70-142	
Tetrachloroethene	ug/m3	0.73	0.76	104	70-130	
Tetrahydrofuran	ug/m3	32.1	30.4	95	70-136	
Toluene	ug/m3	41.6	41.9	101	70-138	
trans-1,2-Dichloroethene	ug/m3	0.44	0.45	103	70-130	
trans-1,3-Dichloropropene	ug/m3	50.5	58.9	117	70-145	
Trichloroethene	ug/m3	0.58	0.63	107	70-130	
Trichlorofluoromethane	ug/m3	62	69.2	112	69-135	
Vinyl acetate	ug/m3	46.4	47.8	103	70-146	
Vinyl chloride	ug/m3	0.28	0.30	106	70-137	

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QUALITY CONTROL DATA

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

SAMPLE DUPLICATE: 4022511

Parameter	Units	10568294001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.19		
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.24		
1,1,2-Trichloroethane	ug/m3	ND	<0.093		
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<2.6		
1,1-Dichloroethane	ug/m3	ND	<0.14		
1,1-Dichloroethene	ug/m3	ND	<0.14		
1,2,4-Trichlorobenzene	ug/m3	ND	<12.7		
1,2,4-Trimethylbenzene	ug/m3	ND	<1.7		
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.13		
1,2-Dichlorobenzene	ug/m3	ND	<5.1		
1,2-Dichloroethane	ug/m3	0.16	0.16	2	
1,2-Dichloropropane	ug/m3	ND	<0.079		
1,3,5-Trimethylbenzene	ug/m3	ND	<1.7		
1,3-Butadiene	ug/m3	ND	<0.076		
1,3-Dichlorobenzene	ug/m3	ND	<5.1		
1,4-Dichlorobenzene	ug/m3	ND	<5.1		
2-Butanone (MEK)	ug/m3	ND	<5.0		
2-Hexanone	ug/m3	ND	<7.0		
2-Propanol	ug/m3	35.9	32.7	9	
4-Ethyltoluene	ug/m3	ND	<4.2		
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<7.0		
Acetone	ug/m3	18.9	18.2	4	
Benzene	ug/m3	0.60	0.58	3	
Benzyl chloride	ug/m3	ND	<4.4		
Bromodichloromethane	ug/m3	ND	<0.11		
Bromoform	ug/m3	ND	<8.8		
Bromomethane	ug/m3	ND	<1.3		
Carbon disulfide	ug/m3	2.3	2.3	1	
Carbon tetrachloride	ug/m3	0.69	0.68	1	
Chlorobenzene	ug/m3	ND	<1.6		
Chloroethane	ug/m3	ND	<0.90		
Chloroform	ug/m3	0.34	0.34	1	
Chloromethane	ug/m3	1.2	1.2	4	
cis-1,2-Dichloroethene	ug/m3	ND	<0.14		
cis-1,3-Dichloropropene	ug/m3	ND	<3.9		
Cyclohexane	ug/m3	ND	<2.9		
Dibromochloromethane	ug/m3	ND	<2.9		
Dichlorodifluoromethane	ug/m3	3.1	2.8	8	
Dichlorotetrafluoroethane	ug/m3	ND	<2.4		
Ethanol	ug/m3	381	413	8	
Ethyl acetate	ug/m3	6.1	6.0	1	
Ethylbenzene	ug/m3	ND	<1.5		
Hexachloro-1,3-butadiene	ug/m3	ND	<9.1		
m&p-Xylene	ug/m3	ND	<3.0		
Methyl-tert-butyl ether	ug/m3	ND	<6.1		
Methylene Chloride	ug/m3	ND	<5.9		
n-Heptane	ug/m3	ND	<1.4		

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QUALITY CONTROL DATA

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

SAMPLE DUPLICATE: 4022511

Parameter	Units	10568294001 Result	Dup Result	RPD	Qualifiers
n-Hexane	ug/m3	ND	<1.2		
Naphthalene	ug/m3	ND	<4.5		
o-Xylene	ug/m3	ND	<1.5		
Propylene	ug/m3	ND	<1.5		
Styrene	ug/m3	ND	<1.5		
Tetrachloroethene	ug/m3	ND	<0.12		
Tetrahydrofuran	ug/m3	ND	<1.0		
Toluene	ug/m3	1.4	1.5	4	
trans-1,2-Dichloroethene	ug/m3	ND	<0.14		
trans-1,3-Dichloropropene	ug/m3	ND	<3.9		
Trichloroethene	ug/m3	ND	<0.092		
Trichlorofluoromethane	ug/m3	ND	<1.9		
Vinyl acetate	ug/m3	ND	<1.2		
Vinyl chloride	ug/m3	ND	<0.044		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 70178634 P.W. Grosser Engineer

Pace Project No.: 10567592

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70178634 P.W. Grosser Engineer
Pace Project No.: 10567592

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178634001	SVE-INF	TO-15	753963		

REPORT OF LABORATORY ANALYSIS

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Internal Transfer Chain of Custody



Samples Pre-Logged into eCOC.

State Of Origin: NY

Cert. Needed: Yes No

Workorder: 70178634 Workorder Name: MINMILT 6/24

Owner Received Date: 6/28/2021 Results Requested By: 7/20/2021

Report To

Requested Analysis

Elizabeth Harrison
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040

Pace Analytical Minnesota
1700 Elm Street
Suite 200
Minneapolis, MN 55414
Phone (612)607-1700

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		LAB USE ONLY
						Other		
1	SVE-INF	PS	6/24/2021 08:00	70178634001	Air	1		X
2								
3								
4								
5								

TO-15 FULL LIST

Transfers	Released By	Date/Time	Received By	Date/Time	Received on Ice	Y or N	Samples Intact	Y or N
1			<i>Mark Pace</i>	6-28-21 9:3				
2								
3								

Comments

PLEASE REPORT IN DUEL UNITS

Cooler Temperature on Receipt °C

Custody Seal Y or N

Received on Ice Y or N

Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

WO# : 10567592

10567592



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: <u>PWGC</u> Address: <u>630 Johnson Ave</u> <u>Bohemia, NY 11716</u> Email To: <u>Kcrosby@pwgasser.com</u> Phone: <u>631-599-6353</u> Fax: Requested Due Date/TAT: <u>Standard</u>	Section B Required Project Information: Report To: <u>Kaitlyn Crosby</u> Copy To: Purchase Order No.: Project Name: <u>M, in M, I P</u> Project Number: <u>MIN1001</u>	Section C Invoice Information: Attention: <u>Same as Client</u> Company Name: Address: Pace Quote Reference: Pace Project Manager/Sales Rep. <u>Betty Harrison</u> Pace Profile #: <u>33150</u>	Page: 50586 of 1							
Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE										
#	Valid Media Codes	MEDIA CODE	TB	1L Can	6L Can	LVP	HVP	PM10	Other	Pace Lab ID
1		<u>6L</u>								
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<u>[Signature]</u>	<u>6-24-21</u>	<u>0830</u>	<u>FLORIS</u>	<u>6-28-21</u>	<u>9:31</u>	Temp in °C Received on Ice Custody Sealed Cooler Samples Intact
			<u>Met for face</u>			Y/N Y/N Y/N Y/N Y/N Y/N

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Kaitlyn Crosby
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed (MM/DD/YYYY): 06/24/21

ORIGINAL



Air Sample Condition Upon Receipt

Client Name: PW GC Project #: _____

WO# : 10567592

PM: JMR Due Date: 07/20/21
 CLIENT: PASI-LINY

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exception

Tracking Number: 9753 8443 6120

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): _____ Corrected Temp (°C): _____ Thermometer Used: G87A9170600254 G87A9155100842

Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: 6-28-21 WZ

Type of ice Received Blue Wet None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used? (Tedlar bags not acceptable container for TO-14, TO-15 or APH)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? (visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans Y <u>(N)</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. <u>1 gauge attached</u>

Gauge # 10AIR26 10AIR34 10AIR35 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>INF</u>	<u>3394</u>	<u>-</u>	<u>-1</u>	<u>+5</u>					

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Joanne Richardson Date: 6-29-21

NOTE: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of field, incorrect preservative, out of temp, incorrect containers)

July 07, 2020

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT 6/22
Pace Project No.: 70135448

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Kaitlyn Crosby, P.W. Grosser Engineer & Hydrogeologist



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT 6/22

Pace Project No.: 70135448

Pace Analytical Services - Minneapolis MN

A2LA Certification #: 2926.01	Minnesota Petrofund Certification #: 1240
Alabama Certification #: 40770	Mississippi Certification #: MN00064
Alaska Contaminated Sites Certification #: 17-009	Missouri Certification #: 10100
Alaska DW Certification #: MN00064	Montana Certification #: CERT0092
Arizona Certification #: AZ0014	Nebraska Certification #: NE-OS-18-06
Arkansas DW Certification #: MN00064	Nevada Certification #: MN00064
Arkansas WW Certification #: 88-0680	New Hampshire Certification #: 2081
California Certification #: 2929	New Jersey Certification #: MN002
CNMI Saipan Certification #: MP0003	New York Certification #: 11647
Colorado Certification #: MN00064	North Carolina DW Certification #: 27700
Connecticut Certification #: PH-0256	North Carolina WW Certification #: 530
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137	North Dakota Certification #: R-036
Florida Certification #: E87605	Ohio DW Certification #: 41244
Georgia Certification #: 959	Ohio VAP Certification #: CL101
Guam EPA Certification #: MN00064	Oklahoma Certification #: 9507
Hawaii Certification #: MN00064	Oregon Primary Certification #: MN300001
Idaho Certification #: MN00064	Oregon Secondary Certification #: MN200001
Illinois Certification #: 200011	Pennsylvania Certification #: 68-00563
Indiana Certification #: C-MN-01	Puerto Rico Certification #: MN00064
Iowa Certification #: 368	South Carolina Certification #: 74003001
Kansas Certification #: E-10167	Tennessee Certification #: TN02818
Kentucky DW Certification #: 90062	Texas Certification #: T104704192
Kentucky WW Certification #: 90062	Utah Certification #: MN00064
Louisiana DEQ Certification #: 03086	Vermont Certification #: VT-027053137
Louisiana DW Certification #: MN00064	Virginia Certification #: 460163
Maine Certification #: MN00064	Washington Certification #: C486
Maryland Certification #: 322	West Virginia DEP Certification #: 382
Massachusetts DWP Certification #: via MN 027-053-137	West Virginia DW Certification #: 9952 C
Michigan Certification #: 9909	Wisconsin Certification #: 999407970
Minnesota Certification #: 027-053-137	Wyoming UST Certification #: via A2LA 2926.01
Minnesota Dept of Ag Certification #: via MN 027-053-137	

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SAMPLE ANALYTE COUNT

Project: MINMILT 6/22

Pace Project No.: 70135448

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70135448001	SVE-INF	TO-15	MG2	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT 6/22

Project No.: 70135448

Sample: SVE-INF	Lab ID: 70135448001	Collected: 06/22/20 11:00	Received: 06/22/20 11:15	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Acetone	16.7	ug/m3	8.4	1.39		06/29/20 23:18	67-64-1	
Benzene	<0.45	ug/m3	0.45	1.39		06/29/20 23:18	71-43-2	
Benzyl chloride	<3.7	ug/m3	3.7	1.39		06/29/20 23:18	100-44-7	
Bromodichloromethane	<1.9	ug/m3	1.9	1.39		06/29/20 23:18	75-27-4	
Bromoform	<7.3	ug/m3	7.3	1.39		06/29/20 23:18	75-25-2	
Bromomethane	<1.1	ug/m3	1.1	1.39		06/29/20 23:18	74-83-9	
1,3-Butadiene	<0.63	ug/m3	0.63	1.39		06/29/20 23:18	106-99-0	
2-Butanone (MEK)	5.6	ug/m3	4.2	1.39		06/29/20 23:18	78-93-3	
Carbon disulfide	<0.88	ug/m3	0.88	1.39		06/29/20 23:18	75-15-0	
Carbon tetrachloride	<1.8	ug/m3	1.8	1.39		06/29/20 23:18	56-23-5	
Chlorobenzene	<1.3	ug/m3	1.3	1.39		06/29/20 23:18	108-90-7	
Chloroethane	<0.75	ug/m3	0.75	1.39		06/29/20 23:18	75-00-3	
Chloroform	2.0	ug/m3	0.69	1.39		06/29/20 23:18	67-66-3	
Chloromethane	1.3	ug/m3	0.58	1.39		06/29/20 23:18	74-87-3	
Cyclohexane	<2.4	ug/m3	2.4	1.39		06/29/20 23:18	110-82-7	
Dibromochloromethane	<2.4	ug/m3	2.4	1.39		06/29/20 23:18	124-48-1	
1,2-Dibromoethane (EDB)	<1.1	ug/m3	1.1	1.39		06/29/20 23:18	106-93-4	
1,2-Dichlorobenzene	<1.7	ug/m3	1.7	1.39		06/29/20 23:18	95-50-1	
1,3-Dichlorobenzene	<1.7	ug/m3	1.7	1.39		06/29/20 23:18	541-73-1	
1,4-Dichlorobenzene	<4.3	ug/m3	4.3	1.39		06/29/20 23:18	106-46-7	
Dichlorodifluoromethane	2.8	ug/m3	1.4	1.39		06/29/20 23:18	75-71-8	
1,1-Dichloroethane	21.7	ug/m3	1.1	1.39		06/29/20 23:18	75-34-3	
1,2-Dichloroethane	11.8	ug/m3	0.57	1.39		06/29/20 23:18	107-06-2	
1,1-Dichloroethene	<1.1	ug/m3	1.1	1.39		06/29/20 23:18	75-35-4	
cis-1,2-Dichloroethene	512	ug/m3	22.4	27.8		06/30/20 11:13	156-59-2	
trans-1,2-Dichloroethene	2.1	ug/m3	1.1	1.39		06/29/20 23:18	156-60-5	
1,2-Dichloropropane	<1.3	ug/m3	1.3	1.39		06/29/20 23:18	78-87-5	
cis-1,3-Dichloropropene	<1.3	ug/m3	1.3	1.39		06/29/20 23:18	10061-01-5	
trans-1,3-Dichloropropene	<1.3	ug/m3	1.3	1.39		06/29/20 23:18	10061-02-6	
Dichlorotetrafluoroethane	<2.0	ug/m3	2.0	1.39		06/29/20 23:18	76-14-2	
Ethanol	3.2	ug/m3	2.7	1.39		06/29/20 23:18	64-17-5	
Ethyl acetate	<1.0	ug/m3	1.0	1.39		06/29/20 23:18	141-78-6	
Ethylbenzene	<1.2	ug/m3	1.2	1.39		06/29/20 23:18	100-41-4	
4-Ethyltoluene	<3.5	ug/m3	3.5	1.39		06/29/20 23:18	622-96-8	
n-Heptane	<1.2	ug/m3	1.2	1.39		06/29/20 23:18	142-82-5	
Hexachloro-1,3-butadiene	<7.5	ug/m3	7.5	1.39		06/29/20 23:18	87-68-3	
n-Hexane	<1.0	ug/m3	1.0	1.39		06/29/20 23:18	110-54-3	
2-Hexanone	<5.8	ug/m3	5.8	1.39		06/29/20 23:18	591-78-6	
Methylene Chloride	10.2	ug/m3	4.9	1.39		06/29/20 23:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.8	ug/m3	5.8	1.39		06/29/20 23:18	108-10-1	
Methyl-tert-butyl ether	<5.1	ug/m3	5.1	1.39		06/29/20 23:18	1634-04-4	
Naphthalene	<3.7	ug/m3	3.7	1.39		06/29/20 23:18	91-20-3	
2-Propanol	<3.5	ug/m3	3.5	1.39		06/29/20 23:18	67-63-0	
Propylene	4.2	ug/m3	0.49	1.39		06/29/20 23:18	115-07-1	
Styrene	<1.2	ug/m3	1.2	1.39		06/29/20 23:18	100-42-5	
1,1,2,2-Tetrachloroethane	<0.97	ug/m3	0.97	1.39		06/29/20 23:18	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT 6/22

Pace Project No.: 70135448

Sample: SVE-INF	Lab ID: 70135448001	Collected: 06/22/20 11:00	Received: 06/22/20 11:15	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
		Pace Analytical Services - Minneapolis						
Tetrachloroethene	1410	ug/m3	19.2	27.8		06/30/20 11:13	127-18-4	
Tetrahydrofuran	<0.83	ug/m3	0.83	1.39		06/29/20 23:18	109-99-9	
Toluene	<1.1	ug/m3	1.1	1.39		06/29/20 23:18	108-88-3	
1,2,4-Trichlorobenzene	<10.5	ug/m3	10.5	1.39		06/29/20 23:18	120-82-1	
1,1,1-Trichloroethane	6.1	ug/m3	1.5	1.39		06/29/20 23:18	71-55-6	
1,1,2-Trichloroethane	<0.77	ug/m3	0.77	1.39		06/29/20 23:18	79-00-5	
Trichloroethene	91.2	ug/m3	0.76	1.39		06/29/20 23:18	79-01-6	
Trichlorofluoromethane	3.2	ug/m3	1.6	1.39		06/29/20 23:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/m3	2.2	1.39		06/29/20 23:18	76-13-1	
1,2,4-Trimethylbenzene	<1.4	ug/m3	1.4	1.39		06/29/20 23:18	95-63-6	
1,3,5-Trimethylbenzene	<1.4	ug/m3	1.4	1.39		06/29/20 23:18	108-67-8	
Vinyl acetate	<1.0	ug/m3	1.0	1.39		06/29/20 23:18	108-05-4	
Vinyl chloride	<0.36	ug/m3	0.36	1.39		06/29/20 23:18	75-01-4	
m&p-Xylene	<2.5	ug/m3	2.5	1.39		06/29/20 23:18	179601-23-1	
o-Xylene	<1.2	ug/m3	1.2	1.39		06/29/20 23:18	95-47-6	

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QUALITY CONTROL DATA

Project: MINMILT 6/22
Pace Project No.: 70135448

QC Batch: 684057 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 70135448001

METHOD BLANK: 3659519 Matrix: Air
Associated Lab Samples: 70135448001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.56	0.56	06/29/20 09:01	
1,1,2,2-Tetrachloroethane	ug/m3	<0.35	0.35	06/29/20 09:01	
1,1,2-Trichloroethane	ug/m3	<0.28	0.28	06/29/20 09:01	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.78	0.78	06/29/20 09:01	
1,1-Dichloroethane	ug/m3	<0.41	0.41	06/29/20 09:01	
1,1-Dichloroethene	ug/m3	<0.40	0.40	06/29/20 09:01	
1,2,4-Trichlorobenzene	ug/m3	<3.8	3.8	06/29/20 09:01	
1,2,4-Trimethylbenzene	ug/m3	<0.50	0.50	06/29/20 09:01	
1,2-Dibromoethane (EDB)	ug/m3	<0.39	0.39	06/29/20 09:01	
1,2-Dichlorobenzene	ug/m3	<0.61	0.61	06/29/20 09:01	
1,2-Dichloroethane	ug/m3	<0.21	0.21	06/29/20 09:01	
1,2-Dichloropropane	ug/m3	<0.47	0.47	06/29/20 09:01	
1,3,5-Trimethylbenzene	ug/m3	<0.50	0.50	06/29/20 09:01	
1,3-Butadiene	ug/m3	<0.22	0.22	06/29/20 09:01	
1,3-Dichlorobenzene	ug/m3	<0.61	0.61	06/29/20 09:01	
1,4-Dichlorobenzene	ug/m3	<1.5	1.5	06/29/20 09:01	
2-Butanone (MEK)	ug/m3	<1.5	1.5	06/29/20 09:01	
2-Hexanone	ug/m3	<2.1	2.1	06/29/20 09:01	
2-Propanol	ug/m3	<1.2	1.2	06/29/20 09:01	
4-Ethyltoluene	ug/m3	<1.2	1.2	06/29/20 09:01	
4-Methyl-2-pentanone (MIBK)	ug/m3	<2.1	2.1	06/29/20 09:01	
Acetone	ug/m3	<3.0	3.0	06/29/20 09:01	
Benzene	ug/m3	<0.16	0.16	06/29/20 09:01	
Benzyl chloride	ug/m3	<1.3	1.3	06/29/20 09:01	
Bromodichloromethane	ug/m3	<0.68	0.68	06/29/20 09:01	
Bromoform	ug/m3	<2.6	2.6	06/29/20 09:01	
Bromomethane	ug/m3	<0.39	0.39	06/29/20 09:01	
Carbon disulfide	ug/m3	<0.32	0.32	06/29/20 09:01	
Carbon tetrachloride	ug/m3	<0.64	0.64	06/29/20 09:01	
Chlorobenzene	ug/m3	<0.47	0.47	06/29/20 09:01	
Chloroethane	ug/m3	<0.27	0.27	06/29/20 09:01	
Chloroform	ug/m3	<0.25	0.25	06/29/20 09:01	
Chloromethane	ug/m3	<0.21	0.21	06/29/20 09:01	
cis-1,2-Dichloroethene	ug/m3	<0.40	0.40	06/29/20 09:01	
cis-1,3-Dichloropropene	ug/m3	<0.46	0.46	06/29/20 09:01	
Cyclohexane	ug/m3	<0.88	0.88	06/29/20 09:01	
Dibromochloromethane	ug/m3	<0.86	0.86	06/29/20 09:01	
Dichlorodifluoromethane	ug/m3	<0.50	0.50	06/29/20 09:01	
Dichlorotetrafluoroethane	ug/m3	<0.71	0.71	06/29/20 09:01	
Ethanol	ug/m3	<0.96	0.96	06/29/20 09:01	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT 6/22
Pace Project No.: 70135448

METHOD BLANK: 3659519
Associated Lab Samples: 70135448001

Matrix: Air

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.37	0.37	06/29/20 09:01	
Ethylbenzene	ug/m3	<0.44	0.44	06/29/20 09:01	
Hexachloro-1,3-butadiene	ug/m3	<2.7	2.7	06/29/20 09:01	
m&p-Xylene	ug/m3	<0.88	0.88	06/29/20 09:01	
Methyl-tert-butyl ether	ug/m3	<1.8	1.8	06/29/20 09:01	
Methylene Chloride	ug/m3	<1.8	1.8	06/29/20 09:01	
n-Heptane	ug/m3	<0.42	0.42	06/29/20 09:01	
n-Hexane	ug/m3	<0.36	0.36	06/29/20 09:01	
Naphthalene	ug/m3	<1.3	1.3	06/29/20 09:01	
o-Xylene	ug/m3	<0.44	0.44	06/29/20 09:01	
Propylene	ug/m3	<0.18	0.18	06/29/20 09:01	
Styrene	ug/m3	<0.43	0.43	06/29/20 09:01	
Tetrachloroethene	ug/m3	<0.34	0.34	06/29/20 09:01	
Tetrahydrofuran	ug/m3	<0.30	0.30	06/29/20 09:01	
Toluene	ug/m3	<0.38	0.38	06/29/20 09:01	
trans-1,2-Dichloroethene	ug/m3	<0.40	0.40	06/29/20 09:01	
trans-1,3-Dichloropropene	ug/m3	<0.46	0.46	06/29/20 09:01	
Trichloroethene	ug/m3	<0.27	0.27	06/29/20 09:01	
Trichlorofluoromethane	ug/m3	<0.57	0.57	06/29/20 09:01	
Vinyl acetate	ug/m3	<0.36	0.36	06/29/20 09:01	
Vinyl chloride	ug/m3	<0.13	0.13	06/29/20 09:01	

LABORATORY CONTROL SAMPLE: 3659520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57	58.2	102	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	71.9	61.7	86	70-132	
1,1,2-Trichloroethane	ug/m3	57.3	59.5	104	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	89.3	111	70-130	
1,1-Dichloroethane	ug/m3	42.7	52.9	124	70-130	
1,1-Dichloroethene	ug/m3	41.4	48.4	117	69-137	
1,2,4-Trichlorobenzene	ug/m3	156	146	94	70-130	
1,2,4-Trimethylbenzene	ug/m3	51.5	48.2	94	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.3	83.0	103	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	63.2	100	70-136	
1,2-Dichloroethane	ug/m3	42.4	46.1	109	70-130	
1,2-Dichloropropane	ug/m3	48.6	52.8	109	70-132	
1,3,5-Trimethylbenzene	ug/m3	51.6	45.4	88	70-136	
1,3-Butadiene	ug/m3	23.3	29.9	128	67-139	
1,3-Dichlorobenzene	ug/m3	63.4	60.4	95	70-138	
1,4-Dichlorobenzene	ug/m3	63.4	65.3	103	70-145	
2-Butanone (MEK)	ug/m3	31.4	32.0	102	61-130	
2-Hexanone	ug/m3	42.8	46.2	108	70-138	
2-Propanol	ug/m3	119	131	110	70-136	

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QUALITY CONTROL DATA

Project: MINMILT 6/22
Pace Project No.: 70135448

LABORATORY CONTROL SAMPLE: 3659520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.4	51.1	98	70-142	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	46.9	108	70-134	
Acetone	ug/m3	126	130	103	59-137	
Benzene	ug/m3	33.5	34.7	104	70-133	
Benzyl chloride	ug/m3	55.1	61.0	111	70-139	
Bromodichloromethane	ug/m3	71.5	72.6	101	70-130	
Bromoform	ug/m3	110	108	99	60-140	
Bromomethane	ug/m3	41.3	40.8	99	70-131	
Carbon disulfide	ug/m3	33.3	43.7	131	70-130	CH,L1
Carbon tetrachloride	ug/m3	66.2	70.1	106	70-133	
Chlorobenzene	ug/m3	48.3	45.2	94	70-131	
Chloroethane	ug/m3	28.1	31.7	113	70-141	
Chloroform	ug/m3	51.1	53.1	104	70-130	
Chloromethane	ug/m3	21.9	23.9	109	64-137	
cis-1,2-Dichloroethene	ug/m3	41.6	45.2	109	70-132	
cis-1,3-Dichloropropene	ug/m3	47.7	52.8	111	70-138	
Cyclohexane	ug/m3	36.7	38.0	103	70-133	
Dibromochloromethane	ug/m3	90.7	95.9	106	70-139	
Dichlorodifluoromethane	ug/m3	51.6	53.6	104	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	72.6	100	65-133	
Ethanol	ug/m3	103	107	104	65-135	
Ethyl acetate	ug/m3	38.6	42.4	110	70-135	
Ethylbenzene	ug/m3	45.6	45.2	99	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	103	92	70-134	
m&p-Xylene	ug/m3	91.2	85.8	94	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	49.9	130	70-131	
Methylene Chloride	ug/m3	182	205	113	69-130	
n-Heptane	ug/m3	43.6	48.5	111	70-130	
n-Hexane	ug/m3	37.6	39.9	106	70-131	
Naphthalene	ug/m3	57.7	57.2	99	63-130	
o-Xylene	ug/m3	45.5	49.1	108	70-135	
Propylene	ug/m3	18.2	21.6	119	63-139	
Styrene	ug/m3	44.9	44.7	99	70-143	
Tetrachloroethene	ug/m3	71	71.0	100	70-136	
Tetrahydrofuran	ug/m3	31.5	36.1	115	70-137	
Toluene	ug/m3	39.5	39.9	101	70-136	
trans-1,2-Dichloroethene	ug/m3	42.2	53.7	127	70-132	
trans-1,3-Dichloropropene	ug/m3	47.7	54.6	115	70-139	
Trichloroethene	ug/m3	56.3	60.2	107	70-132	
Trichlorofluoromethane	ug/m3	59.7	66.0	111	65-136	
Vinyl acetate	ug/m3	34.5	50.2	145	66-140	CH,L3
Vinyl chloride	ug/m3	26.7	29.4	110	68-141	

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QUALITY CONTROL DATA

Project: MINMILT 6/22
Pace Project No.: 70135448

SAMPLE DUPLICATE: 3660032

Parameter	Units	10523172004 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.30	<2.2		
1,1,2,2-Tetrachloroethane	ug/m3	<0.60	<1.4		
1,1,2-Trichloroethane	ug/m3	<0.39	<1.1		
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.50	<3.1		
1,1-Dichloroethane	ug/m3	<0.22	<1.6		
1,1-Dichloroethene	ug/m3	<0.23	<1.6		
1,2,4-Trichlorobenzene	ug/m3	<6.5	<14.8		
1,2,4-Trimethylbenzene	ug/m3	<0.61	<2.0		
1,2-Dibromoethane (EDB)	ug/m3	<0.54	<1.5		
1,2-Dichlorobenzene	ug/m3	<0.62	<2.4		
1,2-Dichloroethane	ug/m3	<0.33	<0.81		
1,2-Dichloropropane	ug/m3	<0.39	<1.8		
1,3,5-Trimethylbenzene	ug/m3	<0.49	<2.0		
1,3-Butadiene	ug/m3	<0.20	<0.88		
1,3-Dichlorobenzene	ug/m3	<0.93	<2.4		
1,4-Dichlorobenzene	ug/m3	<1.4	<6.0		
2-Butanone (MEK)	ug/m3	<1.1	<5.9		
2-Hexanone	ug/m3	<0.68	<8.2		
2-Propanol	ug/m3	8.5	7.9	7	
4-Ethyltoluene	ug/m3	<0.84	<4.9		
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.35	<8.2		
Acetone	ug/m3	8.2J	<11.8		
Benzene	ug/m3	0.80	0.80	0	
Benzyl chloride	ug/m3	<0.93	<5.2		
Bromodichloromethane	ug/m3	<0.34	<2.7		
Bromoform	ug/m3	<3.5	<10.3		
Bromomethane	ug/m3	<0.29	<1.5		
Carbon disulfide	ug/m3	<0.21	<1.2		
Carbon tetrachloride	ug/m3	<0.50	<2.5		
Chlorobenzene	ug/m3	<0.26	<1.8		
Chloroethane	ug/m3	<0.25	<1.1		
Chloroform	ug/m3	<0.26	<0.97		
Chloromethane	ug/m3	0.81J	0.88		
cis-1,2-Dichloroethene	ug/m3	<0.23	<1.6		
cis-1,3-Dichloropropene	ug/m3	<0.73	<1.8		
Cyclohexane	ug/m3	<0.29	<3.4		
Dibromochloromethane	ug/m3	<0.79	<3.4		
Dichlorodifluoromethane	ug/m3	2.3	2.3	2	
Dichlorotetrafluoroethane	ug/m3	<0.31	<2.8		
Ethanol	ug/m3	11.5	12.8	10	
Ethyl acetate	ug/m3	<0.36	<1.4		
Ethylbenzene	ug/m3	<0.27	<1.7		
Hexachloro-1,3-butadiene	ug/m3	<2.4	<10.6		
m&p-Xylene	ug/m3	<0.66	<3.5		
Methyl-tert-butyl ether	ug/m3	<0.20	<7.2		
Methylene Chloride	ug/m3	7.0	<6.9		
n-Heptane	ug/m3	<0.39	<1.6		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT 6/22
Pace Project No.: 70135448

SAMPLE DUPLICATE: 3660032

Parameter	Units	10523172004 Result	Dup Result	RPD	Qualifiers
n-Hexane	ug/m3	1.1J	<1.4		
Naphthalene	ug/m3	<2.5	<5.2		
o-Xylene	ug/m3	<0.29	<1.7		
Propylene	ug/m3	<0.19	<0.69		
Styrene	ug/m3	<0.84	<1.7		
Tetrachloroethene	ug/m3	<0.53	<1.4		
Tetrahydrofuran	ug/m3	<0.36	<1.2		
Toluene	ug/m3	2.2	2.4	10	
trans-1,2-Dichloroethene	ug/m3	<0.33	<1.6		
trans-1,3-Dichloropropene	ug/m3	<0.52	<1.8		
Trichloroethene	ug/m3	<0.43	<1.1		
Trichlorofluoromethane	ug/m3	1.2J	<2.2		
Vinyl acetate	ug/m3	<0.35	<1.4		
Vinyl chloride	ug/m3	<0.19	<0.51		

SAMPLE DUPLICATE: 3660033

Parameter	Units	10523172003 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.22	<1.6		
1,1,2,2-Tetrachloroethane	ug/m3	<0.45	<1.0		
1,1,2-Trichloroethane	ug/m3	<0.29	<0.81		
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.38	<2.3		
1,1-Dichloroethane	ug/m3	<0.16	<1.2		
1,1-Dichloroethene	ug/m3	<0.17	<1.2		
1,2,4-Trichlorobenzene	ug/m3	<4.8	<11.0		
1,2,4-Trimethylbenzene	ug/m3	<0.46	<1.5		
1,2-Dibromoethane (EDB)	ug/m3	<0.40	<1.1		
1,2-Dichlorobenzene	ug/m3	<0.46	<1.8		
1,2-Dichloroethane	ug/m3	4.0	3.9	4	
1,2-Dichloropropane	ug/m3	<0.29	<1.4		
1,3,5-Trimethylbenzene	ug/m3	<0.36	<1.5		
1,3-Butadiene	ug/m3	<0.15	<0.66		
1,3-Dichlorobenzene	ug/m3	<0.70	<1.8		
1,4-Dichlorobenzene	ug/m3	<1.1	<4.5		
2-Butanone (MEK)	ug/m3	6.3	5.4	14	
2-Hexanone	ug/m3	<0.50	<6.1		
2-Propanol	ug/m3	66.8	75.7	12	
4-Ethyltoluene	ug/m3	<0.62	<3.6		
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.26	<6.1		
Acetone	ug/m3	128	137	7	
Benzene	ug/m3	1.2	1.1	10	
Benzyl chloride	ug/m3	<0.69	<3.8		
Bromodichloromethane	ug/m3	<0.26	<2.0		
Bromoform	ug/m3	<2.6	<7.7		
Bromomethane	ug/m3	<0.21	<1.2		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: MINMILT 6/22

Pace Project No.: 70135448

SAMPLE DUPLICATE: 3660033

Parameter	Units	10523172003 Result	Dup Result	RPD	Qualifiers
Carbon disulfide	ug/m3	0.67J	<0.92		
Carbon tetrachloride	ug/m3	0.97J	<1.9		
Chlorobenzene	ug/m3	<0.19	<1.4		
Chloroethane	ug/m3	<0.18	<0.78		
Chloroform	ug/m3	2.9	2.8	3	
Chloromethane	ug/m3	1.0	1.3	28	R1
cis-1,2-Dichloroethene	ug/m3	<0.17	<1.2		
cis-1,3-Dichloropropene	ug/m3	<0.54	<1.3		
Cyclohexane	ug/m3	1.8J	<2.6		
Dibromochloromethane	ug/m3	<0.59	<2.5		
Dichlorodifluoromethane	ug/m3	2.5	2.2	12	
Dichlorotetrafluoroethane	ug/m3	<0.23	<2.1		
Ethanol	ug/m3	896	994	10	E
Ethyl acetate	ug/m3	14.5	12.9	11	
Ethylbenzene	ug/m3	1.0J	<1.3		
Hexachloro-1,3-butadiene	ug/m3	<1.8	<7.9		
m&p-Xylene	ug/m3	3.4	3.1	11	
Methyl-tert-butyl ether	ug/m3	<0.15	<5.3		
Methylene Chloride	ug/m3	4.5J	<5.2		
n-Heptane	ug/m3	3.6	3.1	13	
n-Hexane	ug/m3	2.1	2.1	0	
Naphthalene	ug/m3	<1.9	<3.9		
o-Xylene	ug/m3	1.0J	<1.3		
Propylene	ug/m3	<0.14	<0.51		
Styrene	ug/m3	1.9	1.6	18	
Tetrachloroethene	ug/m3	1.5	1.4	7	
Tetrahydrofuran	ug/m3	<0.27	<0.88		
Toluene	ug/m3	11.1	12.2	10	
trans-1,2-Dichloroethene	ug/m3	<0.24	<1.2		
trans-1,3-Dichloropropene	ug/m3	<0.38	<1.3		
Trichloroethene	ug/m3	<0.32	<0.80		
Trichlorofluoromethane	ug/m3	1.5J	<1.7		
Vinyl acetate	ug/m3	<0.26	<1.0		
Vinyl chloride	ug/m3	<0.14	<0.38		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MINMILT 6/22

Pace Project No.: 70135448

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT 6/22

Pace Project No.: 70135448

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70135448001	SVE-INF	TO-15	684057		

REPORT OF LABORATORY ANALYSIS

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WO#: 70135448



70135448

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: PWCC Address: 630 Johnson Ave Bohemia, NY 11716 Email To: KCrosby@pwcc.com Phone: 631-589-6353 Fax: Requested Due Date/TAT: Standard

Section B Required Project Information: Report To: Katlyn Crosby Copy To: Purchase Order No.: Project Name: MnMitt Project Number: MIN1001

Section C Invoice Information: Attention: Same as Client Company Name: Address: Pace Quote Reference: Pace Project Manager/Sales Rep. Pace Profile #: 38150

Page: **47340** of 1

Program: UST Superfund Emissions Clean Air Act Voluntary Clean Up Dry Clean RCRA Other

Location of Sampling by State: Reporting Units: ug/m³ mg/m³ PPMV PMV Other

Report Level: II. III. IV. Other

Method:

ITEM #	Valid Media Codes	MEDIA	CODE	DATE	TIME	DATE	TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method	Pace Lab ID
1	Tedlar Bag	1L	TB										
2	1 Liter Summa Can	1LC											
3	6 Liter Summa Can	6LC											
4	Low Volume Puff	LVP											
5	High Volume Puff	HVP											
6	Other	PM10											
7													
8													
9													
10													
11													
12													

RELINQUISHED BY / AFFILIATION: PWCC DATE: 6-22-20 TIME: 1100

ACCEPTED BY / AFFILIATION: Katlyn Crosby DATE: 6/22/20 TIME: 1115

Temp in °C: Received on: Custody Sealed Cooler: Samples Intact:

SAMPLER NAME AND SIGNATURE: Katlyn Crosby DATE SIGNED: 6/22/20

ORIGINAL



Sample Condition Upon Receipt

WO#: 70135448

PM: EMH
CLIENT: PWG

Due Date: 07/07/20

Client Name:

PWG-C

Project

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____
Custody Seal on Cooler/Box Present: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: H091 Correction Factor: +0.2
Cooler Temperature (°C): _____ Cooler Temperature Corrected (°C): _____

Temperature Blank Present: Yes No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C
USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: 6/22/2009

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	11. Note if sediment is visible in the dissolved container.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
-Includes date/time/ID/Analysis Matrix SL WT OIL <u>AIR</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
All containers needing preservation have been checked	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
pH paper Lot #			
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #			
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____			

Field Data Required? Y / N

Date/Time: _____

Client Notification/ Resolution: _____

Person Contacted: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.



APPENDIX D

July 01, 2021

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN1001/MINMILT 6/23
Pace Project No.: 70178051

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on June 23, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: MW-1	Lab ID: 70178051001	Collected: 06/23/21 11:25	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 11:37	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 11:37	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 11:37	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 11:37	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 11:37	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 11:37	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 11:37	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 11:37	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 11:37	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 11:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 11:37	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 11:37	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 11:37	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 11:37	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 11:37	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 11:37	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 11:37	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 11:37	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 11:37	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 11:37	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 11:37	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 11:37	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 11:37	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 11:37	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 11:37	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 11:37	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/25/21 11:37	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 11:37	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 11:37	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 11:37	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 11:37	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 11:37	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 11:37	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	70-123	1		06/25/21 11:37	17060-07-0	
4-Bromofluorobenzene (S)	96	%	66-119	1		06/25/21 11:37	460-00-4	
Toluene-d8 (S)	98	%	82-121	1		06/25/21 11:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: MW-2	Lab ID: 70178051002	Collected: 06/23/21 10:05	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 11:56	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 11:56	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 11:56	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 11:56	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 11:56	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 11:56	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 11:56	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 11:56	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 11:56	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 11:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 11:56	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 11:56	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 11:56	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 11:56	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 11:56	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 11:56	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 11:56	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 11:56	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 11:56	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 11:56	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 11:56	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 11:56	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 11:56	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 11:56	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 11:56	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 11:56	100-42-5	
Tetrachloroethene	1.6	ug/L	1.0	1		06/25/21 11:56	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 11:56	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 11:56	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 11:56	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 11:56	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 11:56	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 11:56	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	70-123	1		06/25/21 11:56	17060-07-0	
4-Bromofluorobenzene (S)	97	%	66-119	1		06/25/21 11:56	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		06/25/21 11:56	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: MW-3	Lab ID: 70178051003	Collected: 06/23/21 09:45	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:15	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 12:15	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:15	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:15	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 12:15	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:15	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 12:15	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 12:15	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 12:15	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 12:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 12:15	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 12:15	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 12:15	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 12:15	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 12:15	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 12:15	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 12:15	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 12:15	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 12:15	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 12:15	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 12:15	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 12:15	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 12:15	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 12:15	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 12:15	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 12:15	100-42-5	
Tetrachloroethene	2.0	ug/L	1.0	1		06/25/21 12:15	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 12:15	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 12:15	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 12:15	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 12:15	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 12:15	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 12:15	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	70-123	1		06/25/21 12:15	17060-07-0	
4-Bromofluorobenzene (S)	97	%	66-119	1		06/25/21 12:15	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		06/25/21 12:15	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: MW-4	Lab ID: 70178051004	Collected: 06/23/21 09:15	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:35	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 12:35	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:35	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:35	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 12:35	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:35	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 12:35	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 12:35	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 12:35	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 12:35	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 12:35	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 12:35	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 12:35	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 12:35	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 12:35	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 12:35	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 12:35	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 12:35	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 12:35	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 12:35	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 12:35	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 12:35	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 12:35	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 12:35	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 12:35	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 12:35	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/25/21 12:35	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 12:35	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 12:35	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 12:35	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 12:35	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 12:35	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 12:35	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	70-123	1		06/25/21 12:35	17060-07-0	
4-Bromofluorobenzene (S)	98	%	66-119	1		06/25/21 12:35	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		06/25/21 12:35	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: MW-5		Lab ID: 70178051005	Collected: 06/23/21 10:25	Received: 06/23/21 14:59	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:54	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 12:54	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:54	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:54	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 12:54	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 12:54	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 12:54	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 12:54	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 12:54	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 12:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 12:54	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 12:54	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 12:54	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 12:54	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 12:54	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 12:54	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 12:54	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 12:54	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 12:54	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 12:54	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 12:54	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 12:54	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 12:54	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 12:54	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 12:54	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 12:54	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/25/21 12:54	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 12:54	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 12:54	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 12:54	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 12:54	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 12:54	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 12:54	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	70-123	1		06/25/21 12:54	17060-07-0	
4-Bromofluorobenzene (S)	101	%	66-119	1		06/25/21 12:54	460-00-4	
Toluene-d8 (S)	100	%	82-121	1		06/25/21 12:54	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: MW-6	Lab ID: 70178051006	Collected: 06/23/21 11:00	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:14	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 13:14	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:14	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:14	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 13:14	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:14	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 13:14	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 13:14	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 13:14	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 13:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 13:14	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 13:14	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 13:14	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 13:14	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 13:14	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 13:14	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 13:14	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 13:14	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 13:14	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 13:14	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 13:14	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 13:14	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 13:14	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 13:14	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 13:14	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 13:14	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/25/21 13:14	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 13:14	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 13:14	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 13:14	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 13:14	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 13:14	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 13:14	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	70-123	1		06/25/21 13:14	17060-07-0	
4-Bromofluorobenzene (S)	98	%	66-119	1		06/25/21 13:14	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		06/25/21 13:14	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: MW-7	Lab ID: 70178051007	Collected: 06/23/21 08:30	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:33	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 13:33	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:33	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:33	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 13:33	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:33	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 13:33	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 13:33	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 13:33	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 13:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 13:33	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 13:33	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 13:33	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 13:33	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 13:33	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 13:33	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 13:33	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 13:33	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 13:33	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 13:33	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 13:33	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 13:33	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 13:33	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 13:33	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 13:33	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 13:33	100-42-5	
Tetrachloroethene	1.4	ug/L	1.0	1		06/25/21 13:33	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 13:33	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 13:33	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 13:33	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 13:33	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 13:33	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 13:33	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	70-123	1		06/25/21 13:33	17060-07-0	
4-Bromofluorobenzene (S)	98	%	66-119	1		06/25/21 13:33	460-00-4	
Toluene-d8 (S)	98	%	82-121	1		06/25/21 13:33	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: MW-8	Lab ID: 70178051008	Collected: 06/23/21 08:35	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:52	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 13:52	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:52	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:52	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 13:52	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 13:52	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 13:52	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 13:52	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 13:52	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 13:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 13:52	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 13:52	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 13:52	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 13:52	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 13:52	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 13:52	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 13:52	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 13:52	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 13:52	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 13:52	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 13:52	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 13:52	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 13:52	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 13:52	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 13:52	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 13:52	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/25/21 13:52	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 13:52	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 13:52	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 13:52	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 13:52	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 13:52	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 13:52	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	70-123	1		06/25/21 13:52	17060-07-0	
4-Bromofluorobenzene (S)	97	%	66-119	1		06/25/21 13:52	460-00-4	
Toluene-d8 (S)	98	%	82-121	1		06/25/21 13:52	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: MW-9	Lab ID: 70178051009	Collected: 06/23/21 08:15	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 14:12	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 14:12	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 14:12	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 14:12	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 14:12	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 14:12	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 14:12	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 14:12	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 14:12	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 14:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 14:12	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 14:12	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 14:12	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 14:12	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 14:12	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 14:12	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 14:12	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 14:12	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 14:12	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 14:12	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 14:12	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 14:12	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 14:12	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 14:12	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 14:12	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 14:12	100-42-5	
Tetrachloroethene	1.4	ug/L	1.0	1		06/25/21 14:12	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 14:12	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 14:12	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 14:12	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 14:12	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 14:12	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 14:12	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	70-123	1		06/25/21 14:12	17060-07-0	
4-Bromofluorobenzene (S)	99	%	66-119	1		06/25/21 14:12	460-00-4	
Toluene-d8 (S)	98	%	82-121	1		06/25/21 14:12	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: GW-1	Lab ID: 70178051010	Collected: 06/23/21 11:30	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 14:31	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 14:31	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 14:31	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 14:31	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 14:31	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 14:31	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 14:31	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 14:31	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 14:31	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 14:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 14:31	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 14:31	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 14:31	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 14:31	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 14:31	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 14:31	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 14:31	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 14:31	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 14:31	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 14:31	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 14:31	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 14:31	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 14:31	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 14:31	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 14:31	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 14:31	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/25/21 14:31	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 14:31	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 14:31	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 14:31	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 14:31	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 14:31	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 14:31	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	70-123	1		06/25/21 14:31	17060-07-0	
4-Bromofluorobenzene (S)	98	%	66-119	1		06/25/21 14:31	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		06/25/21 14:31	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: GW-2	Lab ID: 70178051011	Collected: 06/23/21 12:15	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:10	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 15:10	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:10	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:10	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 15:10	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:10	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 15:10	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 15:10	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 15:10	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 15:10	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 15:10	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 15:10	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 15:10	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 15:10	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 15:10	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 15:10	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 15:10	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 15:10	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 15:10	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 15:10	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 15:10	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 15:10	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 15:10	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 15:10	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 15:10	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 15:10	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/25/21 15:10	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 15:10	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 15:10	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 15:10	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 15:10	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 15:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 15:10	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	70-123	1		06/25/21 15:10	17060-07-0	
4-Bromofluorobenzene (S)	99	%	66-119	1		06/25/21 15:10	460-00-4	
Toluene-d8 (S)	98	%	82-121	1		06/25/21 15:10	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: GW-3	Lab ID: 70178051012	Collected: 06/23/21 12:30	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:29	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 15:29	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:29	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:29	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 15:29	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:29	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 15:29	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 15:29	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 15:29	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 15:29	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 15:29	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 15:29	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 15:29	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 15:29	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 15:29	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 15:29	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 15:29	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 15:29	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 15:29	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 15:29	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 15:29	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 15:29	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 15:29	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 15:29	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 15:29	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 15:29	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/25/21 15:29	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 15:29	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 15:29	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 15:29	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 15:29	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 15:29	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 15:29	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	70-123	1		06/25/21 15:29	17060-07-0	
4-Bromofluorobenzene (S)	100	%	66-119	1		06/25/21 15:29	460-00-4	
Toluene-d8 (S)	99	%	82-121	1		06/25/21 15:29	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: SP-3	Lab ID: 70178051013	Collected: 06/23/21 12:45	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:49	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/25/21 15:49	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:49	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:49	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/25/21 15:49	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/25/21 15:49	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/25/21 15:49	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/25/21 15:49	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/25/21 15:49	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/25/21 15:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/25/21 15:49	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/25/21 15:49	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/25/21 15:49	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/25/21 15:49	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/25/21 15:49	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/25/21 15:49	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/25/21 15:49	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/25/21 15:49	56-23-5	L1
Chlorobenzene	<1.0	ug/L	1.0	1		06/25/21 15:49	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/25/21 15:49	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/25/21 15:49	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/25/21 15:49	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		06/25/21 15:49	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/25/21 15:49	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/25/21 15:49	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/25/21 15:49	100-42-5	
Tetrachloroethene	1.3	ug/L	1.0	1		06/25/21 15:49	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/25/21 15:49	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/25/21 15:49	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/25/21 15:49	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/25/21 15:49	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 15:49	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/25/21 15:49	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	70-123	1		06/25/21 15:49	17060-07-0	
4-Bromofluorobenzene (S)	98	%	66-119	1		06/25/21 15:49	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		06/25/21 15:49	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: SP-4	Lab ID: 70178051014	Collected: 06/23/21 13:00	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:19	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/29/21 09:19	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:19	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:19	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/29/21 09:19	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:19	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/29/21 09:19	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/29/21 09:19	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/29/21 09:19	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/29/21 09:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/29/21 09:19	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/29/21 09:19	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/29/21 09:19	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/29/21 09:19	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/29/21 09:19	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/29/21 09:19	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/29/21 09:19	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/29/21 09:19	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/29/21 09:19	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/29/21 09:19	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/29/21 09:19	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/29/21 09:19	74-87-3	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		06/29/21 09:19	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/29/21 09:19	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/29/21 09:19	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/29/21 09:19	100-42-5	
Tetrachloroethene	1.2	ug/L	1.0	1		06/29/21 09:19	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/29/21 09:19	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/29/21 09:19	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/29/21 09:19	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/29/21 09:19	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 09:19	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 09:19	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	70-123	1		06/29/21 09:19	17060-07-0	
4-Bromofluorobenzene (S)	97	%	66-119	1		06/29/21 09:19	460-00-4	
Toluene-d8 (S)	95	%	82-121	1		06/29/21 09:19	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: SP-6	Lab ID: 70178051015	Collected: 06/23/21 13:30	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:39	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/29/21 09:39	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:39	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:39	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/29/21 09:39	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:39	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/29/21 09:39	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/29/21 09:39	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/29/21 09:39	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/29/21 09:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/29/21 09:39	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/29/21 09:39	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/29/21 09:39	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/29/21 09:39	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/29/21 09:39	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/29/21 09:39	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/29/21 09:39	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/29/21 09:39	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/29/21 09:39	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/29/21 09:39	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/29/21 09:39	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/29/21 09:39	74-87-3	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		06/29/21 09:39	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/29/21 09:39	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/29/21 09:39	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/29/21 09:39	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/29/21 09:39	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/29/21 09:39	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/29/21 09:39	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/29/21 09:39	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/29/21 09:39	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 09:39	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 09:39	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	70-123	1		06/29/21 09:39	17060-07-0	
4-Bromofluorobenzene (S)	100	%	66-119	1		06/29/21 09:39	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		06/29/21 09:39	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: SCDHS	Lab ID: 70178051016	Collected: 06/23/21 14:00	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:58	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/29/21 09:58	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:58	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:58	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/29/21 09:58	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 09:58	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/29/21 09:58	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/29/21 09:58	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/29/21 09:58	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/29/21 09:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/29/21 09:58	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/29/21 09:58	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/29/21 09:58	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/29/21 09:58	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/29/21 09:58	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/29/21 09:58	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/29/21 09:58	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/29/21 09:58	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/29/21 09:58	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/29/21 09:58	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/29/21 09:58	67-66-3	
Chloromethane	1.7	ug/L	1.0	1		06/29/21 09:58	74-87-3	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		06/29/21 09:58	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/29/21 09:58	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/29/21 09:58	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/29/21 09:58	100-42-5	
Tetrachloroethene	1.8	ug/L	1.0	1		06/29/21 09:58	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/29/21 09:58	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/29/21 09:58	79-01-6	
Vinyl chloride	<1.0	ug/L	1.0	1		06/29/21 09:58	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/29/21 09:58	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 09:58	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 09:58	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	70-123	1		06/29/21 09:58	17060-07-0	
4-Bromofluorobenzene (S)	99	%	66-119	1		06/29/21 09:58	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		06/29/21 09:58	2037-26-5	

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: ML-1A	Lab ID: 70178051017	Collected: 06/23/21 14:05	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:18	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/29/21 10:18	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:18	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:18	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/29/21 10:18	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:18	107-06-2	
1,2-Dichloroethene (Total)	4.1	ug/L	2.0	1		06/29/21 10:18	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/29/21 10:18	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/29/21 10:18	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/29/21 10:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/29/21 10:18	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/29/21 10:18	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/29/21 10:18	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/29/21 10:18	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/29/21 10:18	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/29/21 10:18	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/29/21 10:18	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/29/21 10:18	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/29/21 10:18	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/29/21 10:18	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/29/21 10:18	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/29/21 10:18	74-87-3	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		06/29/21 10:18	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/29/21 10:18	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/29/21 10:18	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/29/21 10:18	100-42-5	
Tetrachloroethene	2.6	ug/L	1.0	1		06/29/21 10:18	127-18-4	D6
Toluene	<1.0	ug/L	1.0	1		06/29/21 10:18	108-88-3	
Trichloroethene	10.3	ug/L	1.0	1		06/29/21 10:18	79-01-6	
Vinyl chloride	3.5	ug/L	1.0	1		06/29/21 10:18	75-01-4	D6
Xylene (Total)	<3.0	ug/L	3.0	1		06/29/21 10:18	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 10:18	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 10:18	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	70-123	1		06/29/21 10:18	17060-07-0	
4-Bromofluorobenzene (S)	98	%	66-119	1		06/29/21 10:18	460-00-4	
Toluene-d8 (S)	97	%	82-121	1		06/29/21 10:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: ML-1B	Lab ID: 70178051018	Collected: 06/23/21 14:10	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:37	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/29/21 10:37	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:37	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:37	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/29/21 10:37	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:37	107-06-2	
1,2-Dichloroethene (Total)	20.8	ug/L	2.0	1		06/29/21 10:37	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/29/21 10:37	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/29/21 10:37	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/29/21 10:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/29/21 10:37	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/29/21 10:37	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/29/21 10:37	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/29/21 10:37	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/29/21 10:37	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/29/21 10:37	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/29/21 10:37	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/29/21 10:37	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/29/21 10:37	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/29/21 10:37	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/29/21 10:37	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		06/29/21 10:37	74-87-3	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		06/29/21 10:37	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/29/21 10:37	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/29/21 10:37	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/29/21 10:37	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/29/21 10:37	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/29/21 10:37	108-88-3	
Trichloroethene	10.7	ug/L	1.0	1		06/29/21 10:37	79-01-6	M1
Vinyl chloride	4.6	ug/L	1.0	1		06/29/21 10:37	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/29/21 10:37	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 10:37	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 10:37	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	70-123	1		06/29/21 10:37	17060-07-0	
4-Bromofluorobenzene (S)	99	%	66-119	1		06/29/21 10:37	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		06/29/21 10:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

Sample: ML-1C	Lab ID: 70178051019	Collected: 06/23/21 14:15	Received: 06/23/21 14:59	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:56	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/29/21 10:56	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:56	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:56	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/29/21 10:56	75-35-4	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/29/21 10:56	107-06-2	
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/29/21 10:56	540-59-0	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/29/21 10:56	78-87-5	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/29/21 10:56	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		06/29/21 10:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/29/21 10:56	108-10-1	
Acetone	<5.0	ug/L	5.0	1		06/29/21 10:56	67-64-1	
Benzene	<0.70	ug/L	0.70	1		06/29/21 10:56	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		06/29/21 10:56	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		06/29/21 10:56	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		06/29/21 10:56	74-83-9	v3
Carbon disulfide	<1.0	ug/L	1.0	1		06/29/21 10:56	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/29/21 10:56	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		06/29/21 10:56	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		06/29/21 10:56	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		06/29/21 10:56	67-66-3	
Chloromethane	2.2	ug/L	1.0	1		06/29/21 10:56	74-87-3	v3
Dibromochloromethane	<1.0	ug/L	1.0	1		06/29/21 10:56	124-48-1	
Ethylbenzene	<1.0	ug/L	1.0	1		06/29/21 10:56	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		06/29/21 10:56	75-09-2	
Styrene	<1.0	ug/L	1.0	1		06/29/21 10:56	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		06/29/21 10:56	127-18-4	
Toluene	<1.0	ug/L	1.0	1		06/29/21 10:56	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		06/29/21 10:56	79-01-6	
Vinyl chloride	3.8	ug/L	1.0	1		06/29/21 10:56	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		06/29/21 10:56	1330-20-7	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 10:56	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/29/21 10:56	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	70-123	1		06/29/21 10:56	17060-07-0	
4-Bromofluorobenzene (S)	98	%	66-119	1		06/29/21 10:56	460-00-4	
Toluene-d8 (S)	96	%	82-121	1		06/29/21 10:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23
Pace Project No.: 70178051

QC Batch: 215198 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178051001, 70178051002, 70178051003, 70178051004, 70178051005, 70178051006, 70178051007, 70178051008, 70178051009, 70178051010, 70178051011, 70178051012, 70178051013

METHOD BLANK: 1083276 Matrix: Water
Associated Lab Samples: 70178051001, 70178051002, 70178051003, 70178051004, 70178051005, 70178051006, 70178051007, 70178051008, 70178051009, 70178051010, 70178051011, 70178051012, 70178051013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/25/21 08:47	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/25/21 08:47	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/25/21 08:47	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/25/21 08:47	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/25/21 08:47	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/25/21 08:47	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	06/25/21 08:47	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/25/21 08:47	
2-Butanone (MEK)	ug/L	<5.0	5.0	06/25/21 08:47	
2-Hexanone	ug/L	<5.0	5.0	06/25/21 08:47	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	06/25/21 08:47	
Acetone	ug/L	<5.0	5.0	06/25/21 08:47	
Benzene	ug/L	<0.70	0.70	06/25/21 08:47	
Bromodichloromethane	ug/L	<1.0	1.0	06/25/21 08:47	
Bromoform	ug/L	<1.0	1.0	06/25/21 08:47	
Bromomethane	ug/L	<1.0	1.0	06/25/21 08:47	v3
Carbon disulfide	ug/L	<1.0	1.0	06/25/21 08:47	
Carbon tetrachloride	ug/L	<1.0	1.0	06/25/21 08:47	
Chlorobenzene	ug/L	<1.0	1.0	06/25/21 08:47	
Chloroethane	ug/L	<1.0	1.0	06/25/21 08:47	
Chloroform	ug/L	<1.0	1.0	06/25/21 08:47	
Chloromethane	ug/L	<1.0	1.0	06/25/21 08:47	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/25/21 08:47	
Dibromochloromethane	ug/L	<1.0	1.0	06/25/21 08:47	
Ethylbenzene	ug/L	<1.0	1.0	06/25/21 08:47	
Methylene Chloride	ug/L	<1.0	1.0	06/25/21 08:47	
Styrene	ug/L	<1.0	1.0	06/25/21 08:47	
Tetrachloroethene	ug/L	<1.0	1.0	06/25/21 08:47	
Toluene	ug/L	<1.0	1.0	06/25/21 08:47	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/25/21 08:47	
Trichloroethene	ug/L	<1.0	1.0	06/25/21 08:47	
Vinyl chloride	ug/L	<1.0	1.0	06/25/21 08:47	
Xylene (Total)	ug/L	<3.0	3.0	06/25/21 08:47	
1,2-Dichloroethane-d4 (S)	%	110	70-123	06/25/21 08:47	
4-Bromofluorobenzene (S)	%	97	66-119	06/25/21 08:47	
Toluene-d8 (S)	%	98	82-121	06/25/21 08:47	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

LABORATORY CONTROL SAMPLE: 1083277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.7	113	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	58.1	116	75-122	
1,1,2-Trichloroethane	ug/L	50	54.6	109	80-122	
1,1-Dichloroethane	ug/L	50	56.3	113	68-127	
1,1-Dichloroethene	ug/L	50	52.0	104	65-123	
1,2-Dichloroethane	ug/L	50	60.5	121	73-128	
1,2-Dichloroethene (Total)	ug/L	100	108	108	72-124	
1,2-Dichloropropane	ug/L	50	56.2	112	79-117	
2-Butanone (MEK)	ug/L	50	48.1	96	28-169	
2-Hexanone	ug/L	50	49.2	98	59-138	
4-Methyl-2-pentanone (MIBK)	ug/L	50	59.3	119	70-129	
Acetone	ug/L	50	45.4	91	10-225 IH,v1	
Benzene	ug/L	50	55.2	110	73-121	
Bromodichloromethane	ug/L	50	57.1	114	74-127	
Bromoform	ug/L	50	49.9	100	55-128	
Bromomethane	ug/L	50	30.6	61	12-176 v3	
Carbon disulfide	ug/L	50	50.4	101	57-129	
Carbon tetrachloride	ug/L	50	61.4	123	64-122 L1,v1	
Chlorobenzene	ug/L	50	51.2	102	76-117	
Chloroethane	ug/L	50	48.2	96	60-129	
Chloroform	ug/L	50	55.8	112	74-129	
Chloromethane	ug/L	50	43.4	87	43-126	
cis-1,3-Dichloropropene	ug/L	50	58.0	116	65-134 v1	
Dibromochloromethane	ug/L	50	51.1	102	71-130	
Ethylbenzene	ug/L	50	51.6	103	70-120	
Methylene Chloride	ug/L	50	53.2	106	69-126	
Styrene	ug/L	50	52.9	106	80-121	
Tetrachloroethene	ug/L	50	48.0	96	65-120	
Toluene	ug/L	50	55.8	112	77-120	
trans-1,3-Dichloropropene	ug/L	50	59.1	118	54-139	
Trichloroethene	ug/L	50	54.6	109	73-116	
Vinyl chloride	ug/L	50	47.8	96	50-130	
Xylene (Total)	ug/L	150	158	105	73-120	
1,2-Dichloroethane-d4 (S)	%			110	70-123	
4-Bromofluorobenzene (S)	%			99	66-119	
Toluene-d8 (S)	%			97	82-121	

MATRIX SPIKE SAMPLE: 1085351

Parameter	Units	70178051004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	55.6	111	60-127	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	53.0	106	74-118	
1,1,2-Trichloroethane	ug/L	<1.0	50	52.5	105	80-120	
1,1-Dichloroethane	ug/L	<1.0	50	53.5	107	69-131	
1,1-Dichloroethene	ug/L	<1.0	50	50.7	101	70-129	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23
Pace Project No.: 70178051

MATRIX SPIKE SAMPLE: 1085351		70178051004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	54.9	110	70-129	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	104	102	67-132	
1,2-Dichloropropane	ug/L	<1.0	50	53.2	106	77-118	
2-Butanone (MEK)	ug/L	<5.0	50	45.3	91	15-159	
2-Hexanone	ug/L	<5.0	50	43.1	86	60-127	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	52.6	105	66-129	
Acetone	ug/L	<5.0	50	40.4	81	10-189	IH,v1
Benzene	ug/L	<0.70	50	53.4	107	74-126	
Bromodichloromethane	ug/L	<1.0	50	53.2	106	71-125	
Bromoform	ug/L	<1.0	50	44.2	88	40-128	
Bromomethane	ug/L	<1.0	50	16.7	33	10-179	v3
Carbon disulfide	ug/L	<1.0	50	50.1	100	60-131	
Carbon tetrachloride	ug/L	<1.0	50	59.5	119	64-125	v1
Chlorobenzene	ug/L	<1.0	50	48.0	96	72-121	
Chloroethane	ug/L	<1.0	50	47.1	94	54-137	
Chloroform	ug/L	<1.0	50	53.1	106	73-128	
Chloromethane	ug/L	<1.0	50	33.4	67	45-123	
cis-1,3-Dichloropropene	ug/L	<1.0	50	54.4	109	57-130	v1
Dibromochloromethane	ug/L	<1.0	50	47.1	94	59-132	
Ethylbenzene	ug/L	<1.0	50	48.2	96	67-126	
Methylene Chloride	ug/L	<1.0	50	49.0	98	65-129	
Styrene	ug/L	<1.0	50	49.4	99	74-121	
Tetrachloroethene	ug/L	<1.0	50	47.0	94	59-131	
Toluene	ug/L	<1.0	50	52.7	105	76-124	
trans-1,3-Dichloropropene	ug/L	<1.0	50	53.3	107	42-140	
Trichloroethene	ug/L	<1.0	50	53.0	106	78-119	
Vinyl chloride	ug/L	<1.0	50	43.6	87	45-141	
Xylene (Total)	ug/L	<3.0	150	148	99	69-125	
1,2-Dichloroethane-d4 (S)	%				111	70-123	
4-Bromofluorobenzene (S)	%				99	66-119	
Toluene-d8 (S)	%				99	82-121	

SAMPLE DUPLICATE: 1085350

Parameter	Units	70178051003	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	<2.0	<2.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Hexanone	ug/L	<5.0	<5.0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

SAMPLE DUPLICATE: 1085350

Parameter	Units	70178051003 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		v3
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	2.0	1.8	11	
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	114	110		
4-Bromofluorobenzene (S)	%	97	99		
Toluene-d8 (S)	%	97	97		

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23
Pace Project No.: 70178051

QC Batch: 215609 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70178051014, 70178051015, 70178051016, 70178051017, 70178051018, 70178051019

METHOD BLANK: 1085741 Matrix: Water
Associated Lab Samples: 70178051014, 70178051015, 70178051016, 70178051017, 70178051018, 70178051019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/29/21 08:01	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	06/29/21 08:01	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/29/21 08:01	
2-Butanone (MEK)	ug/L	<5.0	5.0	06/29/21 08:01	
2-Hexanone	ug/L	<5.0	5.0	06/29/21 08:01	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	06/29/21 08:01	
Acetone	ug/L	<5.0	5.0	06/29/21 08:01	
Benzene	ug/L	<0.70	0.70	06/29/21 08:01	
Bromodichloromethane	ug/L	<1.0	1.0	06/29/21 08:01	
Bromoform	ug/L	<1.0	1.0	06/29/21 08:01	
Bromomethane	ug/L	<1.0	1.0	06/29/21 08:01	v3
Carbon disulfide	ug/L	<1.0	1.0	06/29/21 08:01	
Carbon tetrachloride	ug/L	<1.0	1.0	06/29/21 08:01	
Chlorobenzene	ug/L	<1.0	1.0	06/29/21 08:01	
Chloroethane	ug/L	<1.0	1.0	06/29/21 08:01	
Chloroform	ug/L	<1.0	1.0	06/29/21 08:01	
Chloromethane	ug/L	<1.0	1.0	06/29/21 08:01	v3
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/29/21 08:01	
Dibromochloromethane	ug/L	<1.0	1.0	06/29/21 08:01	
Ethylbenzene	ug/L	<1.0	1.0	06/29/21 08:01	
Methylene Chloride	ug/L	<1.0	1.0	06/29/21 08:01	
Styrene	ug/L	<1.0	1.0	06/29/21 08:01	
Tetrachloroethene	ug/L	<1.0	1.0	06/29/21 08:01	
Toluene	ug/L	<1.0	1.0	06/29/21 08:01	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/29/21 08:01	
Trichloroethene	ug/L	<1.0	1.0	06/29/21 08:01	
Vinyl chloride	ug/L	<1.0	1.0	06/29/21 08:01	
Xylene (Total)	ug/L	<3.0	3.0	06/29/21 08:01	
1,2-Dichloroethane-d4 (S)	%	110	70-123	06/29/21 08:01	
4-Bromofluorobenzene (S)	%	98	66-119	06/29/21 08:01	
Toluene-d8 (S)	%	97	82-121	06/29/21 08:01	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

LABORATORY CONTROL SAMPLE: 1085742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.4	109	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	57.1	114	75-122	
1,1,2-Trichloroethane	ug/L	50	55.2	110	80-122	
1,1-Dichloroethane	ug/L	50	53.7	107	68-127	
1,1-Dichloroethene	ug/L	50	52.0	104	65-123	
1,2-Dichloroethane	ug/L	50	57.8	116	73-128	
1,2-Dichloroethene (Total)	ug/L	100	106	106	72-124	
1,2-Dichloropropane	ug/L	50	55.4	111	79-117	
2-Butanone (MEK)	ug/L	50	68.3	137	28-169 v1	
2-Hexanone	ug/L	50	48.0	96	59-138	
4-Methyl-2-pentanone (MIBK)	ug/L	50	58.1	116	70-129	
Acetone	ug/L	50	46.9	94	10-225 IH,v1	
Benzene	ug/L	50	56.4	113	73-121	
Bromodichloromethane	ug/L	50	57.6	115	74-127	
Bromoform	ug/L	50	51.7	103	55-128	
Bromomethane	ug/L	50	20.8	42	12-176 v3	
Carbon disulfide	ug/L	50	50.8	102	57-129	
Carbon tetrachloride	ug/L	50	59.5	119	64-122	
Chlorobenzene	ug/L	50	49.5	99	76-117	
Chloroethane	ug/L	50	45.0	90	60-129	
Chloroform	ug/L	50	54.8	110	74-129	
Chloromethane	ug/L	50	36.4	73	43-126 v3	
cis-1,3-Dichloropropene	ug/L	50	60.1	120	65-134	
Dibromochloromethane	ug/L	50	48.9	98	71-130	
Ethylbenzene	ug/L	50	49.6	99	70-120	
Methylene Chloride	ug/L	50	50.8	102	69-126	
Styrene	ug/L	50	52.1	104	80-121	
Tetrachloroethene	ug/L	50	46.0	92	65-120	
Toluene	ug/L	50	53.3	107	77-120	
trans-1,3-Dichloropropene	ug/L	50	62.3	125	54-139	
Trichloroethene	ug/L	50	52.3	105	73-116	
Vinyl chloride	ug/L	50	42.6	85	50-130	
Xylene (Total)	ug/L	150	150	100	73-120	
1,2-Dichloroethane-d4 (S)	%			109	70-123	
4-Bromofluorobenzene (S)	%			98	66-119	
Toluene-d8 (S)	%			98	82-121	

MATRIX SPIKE SAMPLE: 1086735

Parameter	Units	70178051018 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	51.9	104	60-127	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	52.0	104	74-118	
1,1,2-Trichloroethane	ug/L	<1.0	50	49.3	99	80-120	
1,1-Dichloroethane	ug/L	<1.0	50	51.6	103	69-131	
1,1-Dichloroethene	ug/L	<1.0	50	53.4	107	70-129	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

MATRIX SPIKE SAMPLE: 1086735

Parameter	Units	70178051018 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	53.4	107	70-129	
1,2-Dichloroethene (Total)	ug/L	20.8	100	126	106	67-132	
1,2-Dichloropropane	ug/L	<1.0	50	50.6	101	77-118	
2-Butanone (MEK)	ug/L	<5.0	50	63.3	127	15-159 v1	
2-Hexanone	ug/L	<5.0	50	41.9	84	60-127	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	51.2	102	66-129	
Acetone	ug/L	<5.0	50	40.0	80	10-189 IH,v1	
Benzene	ug/L	<0.70	50	53.2	106	74-126	
Bromodichloromethane	ug/L	<1.0	50	51.3	103	71-125	
Bromoform	ug/L	<1.0	50	45.7	91	40-128	
Bromomethane	ug/L	<1.0	50	14.1	28	10-179 v3	
Carbon disulfide	ug/L	<1.0	50	50.3	101	60-131	
Carbon tetrachloride	ug/L	<1.0	50	58.3	117	64-125	
Chlorobenzene	ug/L	<1.0	50	46.2	92	72-121	
Chloroethane	ug/L	<1.0	50	44.4	89	54-137	
Chloroform	ug/L	<1.0	50	52.0	104	73-128	
Chloromethane	ug/L	<1.0	50	35.6	71	45-123 v3	
cis-1,3-Dichloropropene	ug/L	<1.0	50	52.3	105	57-130	
Dibromochloromethane	ug/L	<1.0	50	42.8	86	59-132	
Ethylbenzene	ug/L	<1.0	50	45.5	91	67-126	
Methylene Chloride	ug/L	<1.0	50	46.8	94	65-129	
Styrene	ug/L	<1.0	50	47.6	95	74-121	
Tetrachloroethene	ug/L	<1.0	50	46.8	94	59-131	
Toluene	ug/L	<1.0	50	49.6	99	76-124	
trans-1,3-Dichloropropene	ug/L	<1.0	50	51.8	104	42-140	
Trichloroethene	ug/L	10.7	50	73.2	125	78-119 M1	
Vinyl chloride	ug/L	4.6	50	48.8	88	45-141	
Xylene (Total)	ug/L	<3.0	150	139	92	69-125	
1,2-Dichloroethane-d4 (S)	%				111	70-123	
4-Bromofluorobenzene (S)	%				99	66-119	
Toluene-d8 (S)	%				97	82-121	

SAMPLE DUPLICATE: 1086734

Parameter	Units	70178051017 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	4.1	4.4	7	
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Hexanone	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

SAMPLE DUPLICATE: 1086734

Parameter	Units	70178051017 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		v3
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		v3
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	2.6	1.9	30	D6
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	10.3	12.3	17	
Vinyl chloride	ug/L	3.5	4.4	25	D6
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	108	112		
4-Bromofluorobenzene (S)	%	98	98		
Toluene-d8 (S)	%	97	96		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MIN1001/MINMILT 6/23

Pace Project No.: 70178051

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN1001/MINMILT 6/23
Pace Project No.: 70178051

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178051001	MW-1	EPA 8260C/5030C	215198		
70178051002	MW-2	EPA 8260C/5030C	215198		
70178051003	MW-3	EPA 8260C/5030C	215198		
70178051004	MW-4	EPA 8260C/5030C	215198		
70178051005	MW-5	EPA 8260C/5030C	215198		
70178051006	MW-6	EPA 8260C/5030C	215198		
70178051007	MW-7	EPA 8260C/5030C	215198		
70178051008	MW-8	EPA 8260C/5030C	215198		
70178051009	MW-9	EPA 8260C/5030C	215198		
70178051010	GW-1	EPA 8260C/5030C	215198		
70178051011	GW-2	EPA 8260C/5030C	215198		
70178051012	GW-3	EPA 8260C/5030C	215198		
70178051013	SP-3	EPA 8260C/5030C	215198		
70178051014	SP-4	EPA 8260C/5030C	215609		
70178051015	SP-6	EPA 8260C/5030C	215609		
70178051016	SCDHS	EPA 8260C/5030C	215609		
70178051017	ML-1A	EPA 8260C/5030C	215609		
70178051018	ML-1B	EPA 8260C/5030C	215609		
70178051019	ML-1C	EPA 8260C/5030C	215609		

REPORT OF LABORATORY ANALYSIS

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WO#: 70178051



Project Manager: EMU

Company: PWGC
Address: 680 Johnson Ave, Bohemia, NY
Report To: Kathryn Crosby
Copy To: Kathryn Crosby

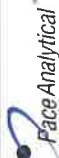
Customer Project Name/Number: MW1001/Min.Milk
Phone: 631-589-6353
Email: KCrosby@pugrosser.com
Collected By (print): Kathryn Crosby
Collected By (Signature): [Signature]
Sample Disposal: X Dispose as appropriate
 Return
 Archive
 Hold

Site/Facility ID #: [Blank]
Purchase Order #: [Blank]
Turnaround Date Required: Standard
Rush: (Expedite Charges Apply)
 Same Day
 Next Day
 12 Day
 3 Day
 14 Day
 15 Day
Analysis: [Blank]

*** Matrix Codes (insert in Matrix box below):** Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)
			Date	Time				
MW-1	GW	Grab	6-23-21	1125			23	VOC
MW-2				1005				
MW-3				0945				
MW-4				0915				
MW-5				1025				
MW-6				1100				
MW-7				0830				
MW-8				0855				
MW-9				0815				
GW-1				1150				

Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: (M) Blue (D) Dry (N) None
Packing Material Used: [Blank]
Radchem sample(s) screened (<500 cpm): Y N NA
Customer Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: TH04
Cooler 1 Temp Upon Receipt: 2.8°C
Cooler 1 Therm Corr. Factor: 0.0°C
Cooler 1 Corrected Temp: 2.8°C
Comments: [Blank]



CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms-pdf>
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO#: 70178051

PM: EMH Due Date: 07/08/21

CLIENT: PWG

Order List Pace Workorder Number or

Project Manager:

Billing Information:

Company: PWG
Address: 630 Sanson Ave, Bohemia, NY

Email To: Kaitlyn Crosby
Site Collection Info/Address: 540 Smith Street

Report To: Kaitlyn Crosby
Email To: Krosby@pwgrosser.com

Copy To: Kaitlyn Crosby
Site Collection Info/Address: 540 Smith Street

Customer Project Name/Number: MFW1001 / M in M11-F
State: NY, County/City: Farmingdale

Phone: 631-589-6353
Time Zone Collected: JPT | JMT | JCT | DET

Email: K.crosby@pwgrosser.com
Compliance Monitoring? [] Yes [] No

Collected By (print): Kaitlyn Crosby
DW PWS ID #: [] Yes [] No

Collected By (Signature): [Signature]
DW Location Code: [] Yes [] No

Turnaround Date Required: Standard
Immediately Packed on Ice: [] Yes [] No

Sample Disposal: Dispose as appropriate [] Same Day [] Next Day
[] 2 Day [] 3 Day [] 4 Day [] 5 Day

[] Archive: [] Hold: []
Field Filtered (if applicable): [] Yes [] No

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Type: Plastic (P) or Glass (G)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Res Cl	# of Ctns
			Date	Time		
GW-2	GW	Grab	6-23-21	1215	-	28
GW-3				1230		
SP-3				1245		
SP-4				1300		
SP-6				1330		
SC0HS				1400		
ML-1A				1405		
ML-1B				1410		
ML-1C				1415		

VOC

X

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wax

Blue Dry None

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Packing Material Used: BB

Lab Tracking #:

N/A

Radchem sample(s) screened (<500 cpm): Y N NA

Samples received via: FEDEX UPS Courier Pace Courier

N/A

Relinquished by/Company: (Signature) [Signature]
 Relinquished by/Company: (Signature) [Signature]
 Relinquished by/Company: (Signature) [Signature]

Date/Time: 6-23-21 14:58

Received by/Company: (Signature) [Signature]

MTL LAB USE ONLY

Table #:

Accnum: []
Template: []
Prelogin: []
PM: []
PB: []

Date/Time: 6/23/21 14:58

Trip Blank Received: Y N NA
 HCL MEOH TSP Other

Non Conformance(s): YES / NO
 Page: 2 of 2

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:	Y	N	NA
Lab Sample Receipt Checklist:			
Custody Seals Present/Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Custody Signatures Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collector Signature Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bottles Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct Bottles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples Received on Ice	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VQA - Headspace Acceptable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
USDA Regulated Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples in Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Residual Chlorine Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cl Strips:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample pH Acceptable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH Strips:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sulfide Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lead Acetate Strips:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

LAB USE ONLY:

Lab Sample # / Comments:

Sample Receiving Non-Conf

WO#: 70178051

Date: 6/23/21 Evaluated by: MW
Client: PWGC

PM: EMH Due Date: 07/08/21
CLIENT: PWG

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

Collection date/time missing or incorrect	Analyses or analytes: missing or clarification needed	<input checked="" type="checkbox"/>	Samples listed on COC do not match samples received (missing, additional, etc.)
Sample IDs on COC do not match sample labels	Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:
1 vial for sample MW-2 does not match COC, Time does match Logging off COC,
Sample Gw-2 does not match sample ID on COC, Times matches, Logging off COC.

3. Sample integrity issues: check applicable issues below and add details where appropriate:

Samples: Past holding time	Samples: Condition needs to be brought to lab personnel's attention (details below)	Preservation: Improper
Samples: Not field filtered	Containers: Broken or compromised	Temperature: not within acceptance criteria (typically 0-6C)
Samples: Insufficient volume received	Containers: Incorrect	Temperature: Samples arrived frozen
Samples: Cooler damaged or compromised	Custody Seals: Missing or compromised on samples, trip blanks or coolers	Vials received with improper headspace
Samples: contain chlorine or sulfides	Packing Material: Insufficient/Improper	Other:

Comments/Details:

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client: _____ Contacted per: _____
PM Initials: _____ Date/Time: _____
Client Comments/Instructions: