APRIL 2022
PERIODIC REVIEW REPORT
(SEPTEMBER 2020 – DECEMBER 2021)

SUBMITTED TO:

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, Section C
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PWGC Project Number: PEN2101

2021 PERIODIC REVIEW REPORT
1 SHORE ROAD, GLENWOOD LANDING, NEW YORK

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1.0 INTRODUCTION AND SITE HISTORY

P.W. Grosser Consulting, Inc. (PWGC) has prepared this periodic review report (PRR) to document the results of the groundwater sampling, air sampling, and inspection events that have occurred from October 1, 2020, through December 31, 2021, at 1 Shore Road, Glenwood Landing, New York. The site is currently listed as a New York State Department of Environmental Conservation (NYSDEC) Class IV inactive hazardous waste disposal site identified as I.D. No. 13-0034.

A Class IV inactive hazardous waste site is assigned to a site that has been properly closed but that requires continued site management consisting of operation, maintenance and/or monitoring. The classification indicates that remedial activities have been completed, however the site has still not been brought into compliance due to residually impacted media present at the property which exceeds standards, criteria, or guidance.

1.1 Site Description and History

The subject site consists of an approximately one-acre parcel located on the east side of Shore Road in the Hamlet of Glenwood Landing, New York. The subject site is located in the Town of North Hempstead and Nassau County. A site location map is included as **Figure 1**. The property is improved with a two-story slab-on-grade steel and masonry industrial building with no basement, a three-story wood-frame house with a basement, asphalt parking, communications tower, and other ancillary improvements. A site plan is included as **Figure 2**.

A former dry-cleaning business, known as Penetrex Processing, Inc. (Penetrex), is reported to have operated at the site for several years prior to abandoning the facility in 1984. PWGC began a Remedial Investigation (RI) in November 2001 at the site to obtain information necessary to determine the need for remediation. The RI determined that concentrations of several Volatile Organic Chemicals (VOCs), including Tetrachloroethene (PCE), and Trichloroethene (TCE), exceeded the NYSDEC Ambient Water Quality Standards (AWQS) in the site's groundwater. These exceedances were determined to be the result of the improper discharge of dry cleaning chemicals to sanitary leaching pool DW-5 and/or storm water drywell DW-1 located in the eastern portion of the Site (**Figure 2**). The RI also determined that this improper discharge had also created a soil vapor intrusion condition into the Site's buildings.

Interim remedial measures (IRMs) at the Site carried out between 2007 and 2009 included the following actions:

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- An Environmental Easement was put in place to restrict land use and prevent future exposure to contamination remaining at the site after remediation.
- Designed and installed two Sub-Slab Depressurization Systems (SSDSs) for the residential and commercial structures on the site to mitigate the potential for soil vapor intrusion. An active, single loop horizontal system with perforated piping was installed beneath the concrete slabs of each building. Riser pipes connect the systems to fans which exhaust sub-slab vapors through the discharge vents above the rooflines of the respective buildings and create a negative pressure beneath the slabs. The fans run continuously to sustain the negative pressure beneath the slabs and mitigate the potential for vapor intrusion into the buildings. The as-built drawings for both systems are included in **Appendix A**.
- Installed five monitoring wells to supplement the previously existing seven monitoring wells and sampled each one to establish a VOC baseline prior to the application of remediation chemicals via in-situ injection. Two of the wells, MW-8D and MW-9D are screened at deeper intervals [40 feet to 50 feet] to evaluate groundwater quality below the water table.
- Designed and implemented an in-situ chemical injection program to treat chlorinated VOCs in the groundwater. A chemical solution of potassium permanganate was injected through temporary points in the delineated area of contamination within the eastern portion of the site's parking area.
- Conducted a post-injection round of sampling which indicated a substantial reduction in the mass of contamination at the subject site. This was best illustrated in the results from monitoring well MW-8, where the concentration of total VOCs decreased from 7,758 µg/L to 1,462 µg/L in the initial post-injection sampling. VOC concentrations in samples collected from the other monitoring wells in the impacted area were significantly lower than in MW-8.
- Developed and implemented a Site Management Plan (SMP) for management and monitoring of remaining contamination at the site. The SMP has been revised several times with the current, NYSDEC-approved version dated October 2021.

The SMP, which was most recently updated in October 2021, addresses the means for implementing the Institutional Controls (ICs) and Engineering Controls (ECs) that are required by the Environmental Easement for the Site. The requirements include operation of the two SSDSs, maintenance of a ground cover system, pan-annual (once every fifth quarter) groundwater sampling, annual indoor air sampling, and an annual site-wide inspection to confirm that ICs and ECs are properly implemented and functioning as intended. An annual PRR submission to the NYSDEC is also included as a requirement in the SMP.

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At the time of the December 2021 field activities the commercial building was occupied by a furniture manufacturing company that was in the process of vacating the building and residential home was occupied by a single tenant. At the time of the issuance of this PRR the entire commercial building is vacant, and the residential home is still occupied by a single tenant.

1.2 2018 Corrective Measure Work Plan and Activities

After reviewing PWGC's 2017 Periodic Review Report, the NYSDEC issued a letter on May 24, 2018, that required a Corrective Measures Work Plan (CMWP) be implemented for the following reasons:

- *In 2017, tetrachloroethene (PCE) was detected in the indoor air of the multi-unit house located on-site at a concentration of 20.6 micrograms per cubic meter (µg/m^3). This is above concentrations typically found in residential homes. The indoor air of the multi-unit house has been above background concentrations for the last 2 years and there is no product inventory of items found in the basement discussed within the PRR. Section 5.0 Conclusions and Recommendations doesn't discuss this detection, nor does it discuss steps taken to determine the cause or correct the issue, essentially concluding that there is no potential intrusion issue at the house. This issue needs to be discussed within the PRR, sources of the PCE need to be identified and actions taken to reduce the levels.*
- *A soil vapor intrusion (SVI) evaluation was not conducted during the 2018 heating season and there is no current data determining whether the sub-slab depressurization system (SSDS) installed at the multi-unit house is functioning as designed. According to the 2011 Record of Decision (ROD), there is to be continued evaluation of the potential for vapor intrusion, monitoring of the indoor air and a monitoring plan which includes monitoring the effectiveness of the sub-slab depressurization system. An SVI evaluation including concurrent indoor, sub-slab and outdoor air samples must be collected during the 2018- 2019 heating season to fulfill the requirements of the 2011 ROD and to verify the steps taken to reduce the PCE indoor air detections were effective.*
- *No groundwater was collected from MW-01 in April or November 2017, however, past groundwater sampling shows consistent PCE detections. Figure 4 states that MW-01 was obstructed. This should be designated in the "Notes" area of the applicable Table. The obstruction must be removed, and this well must be sampled to verify either increasing or decreasing PCE concentrations in MW-01.*
- *The 2017 groundwater sampling dates for MW-06 in Table 2 are transposed; The 10/31/17 sampling data is listed before the 4/27/17 sampling data. This must be corrected in the final PRR document.*

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To address the NYSDEC comments, PWGC submitted a Corrective Measure Work Plan (CMWP) to the NYSDEC in June 2018. Following approval of the CMWP, the following corrective measures were performed:

- PWGC performed an inspection of the site's two SSDSs for evidence of damage or other issues which may interfere with the systems' performance. No damage or other issues which may have affected the SSDSs performance were observed.
- Performance of a SSDS communication test in accordance with NYSDOH guidelines to confirm that negative pressure exists beneath the slab.
- The completion of an NYSDOH Indoor Air Questionnaire and Product Inventory Form as part of the inspection process.
- A soil vapor intrusion evaluation was performed in the house during the heating season on March 15, 2019. Sampling was performed in accordance with NYSDOH Guidance for Evaluating Soil Vapor Intrusion and included the collection of one sub-slab vapor sample, one indoor air sample, and one outdoor air sample.
- The obstruction which prevented groundwater sampling at MW-1 in 2017 was removed.

1.3 2021 SMP Update

In September 2021, PWGC petitioned for the site to be delisted as a Class 4 inactive hazardous waste site based on the significant drop and subsequent stabilization of chlorinated solvent compounds, namely TCE and PCE, in groundwater at the site following the application of potassium permanganate to the impacted area in December 2008 and January 2009. The applied chemicals have also been effective in keeping residual impact contained within the initial impacted area, vertically and horizontally, and has effectively mitigated impacted groundwater from migrating off site. Additionally, PWGC petitioned for deactivation of the two SSDSs at the site based on the lack of TCE and PCE detected in sub-slab samples collected from beneath the residential house on site, and the low concentrations of TCE and PCE detected in sub-slab samples collected from beneath the commercial building on site during recent monitoring events.

NYSDEC did not accept the request to have the site delisted in September 2021; however, NYSDEC approved the following changes to the SMP based on the information presented:

- Reduction in routine groundwater sampling from bi-annually (twice per year) to pan-annually (once every fifth quarter). Additionally, MW-3, which was previously damaged, would not require replacement.

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- The requirement to perform additional injections of remediation chemicals would no longer applies to the site; however, NYSDEC will allow future injection activates to take place if deemed to be beneficial.
- Steps to achieve shut-down of the SSDSs on site were approved. These steps include a six-week SSDS deactivation period to allow the subsurface to attain normal background conditions, and the collection of indoor and sub-slab soil vapor samples from both buildings. If favorable results are attained, the SSDSs will remain shut down for an extended period of time and then resampled in the same method. If favorable results are attained again, then permanent deactivation of the SSDS will be requested. If sample results collected during deactivation detect exceedances that require mitigation, then the SSDS will be re-activated, and the routine annual air sampling requirements would continue.
- NYSDEC will allow restricted-residential site development to be performed at the property, however future development will require an evaluation of vapor intrusion to determine if vapor mitigation systems should be included in the building design.

These approved modifications were applied to the current version of the site's SMP which was updated and submitted to NYSDEC in October 2021.

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2.0 GROUNDWATER MONITORING AND SAMPLING

PWGC mobilized to the site on December 21 and 22, 2021, to perform groundwater monitoring activities.

2.1 Groundwater Monitoring

Groundwater monitoring consisted of measuring depth to water and total well depth measurements for the monitoring wells at the site. Groundwater monitoring data is recorded in the Groundwater Monitoring Well Sampling Logs attached in **Appendix B**. Water levels were collected using a Solinst Oil / Water Interface Probe. Groundwater sampling was performed in accordance with the site-specific SMP. A site plan illustrating the location of the monitoring wells is included as **Figure 3**.

2.2 Monitoring Well Sampling

The eleven monitoring wells at the site (MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-8D, M9, MW-9D, and MW-10) were sampled as part of the December 2021 sampling event. Samples were collected utilizing low flow purging and sampling procedures outlined in the United States Environmental Protection Agency (USEPA) Standard Operating Procedures (SOP) EQASOP-GW001. These monitoring wells were purged using a Grundfos pump and disposable polyethylene tubing which was replaced prior to sampling each well. During purging, the groundwater parameters pH, temperature, conductivity, oxygen reduction potential, turbidity, and dissolved oxygen were monitored every three minutes with a Horiba U52 water quality instrument. When measurements stabilized in accordance with the USEPA standard operating procedure EQASOP-GW001, purging was completed, and the Horiba was disconnected. The groundwater samples were then collected directly from the tubing and placed in pre-cleaned laboratory-supplied glassware and packed in a cooler on ice.

Samples were shipped under proper chain-of-custody procedures to York Analytical Laboratories, Inc. (York), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. The samples were analyzed for the presence of:

- Volatile Organic Compounds (VOCs) by USEPA method 8260

Non-disposable sampling equipment (i.e. oil / water interface probe, Grundfos pump, etc.) was decontaminated prior to and between each well by using a distilled water and non-phosphate detergent wash followed by a distilled water rinse.

2.3 Quality Assurance / Quality Control

QA/QC for the groundwater sampling event included the following of ASP-B protocols, including the analysis of a trip blank, and the collection and analysis of a blind duplicate, a field blank, a matrix spike sample, and a matrix

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spike duplicate. The accuracy, precision, and completeness requirements were addressed by the laboratory for the data generated. York indicated in an analytical narrative report of the sampling that the samples were received in accordance with the chain of custody and no significant deviations were encountered during the preparation or analysis.

The sampling results were submitted to Laboratory Data Consultants (LDC), Inc of Carlsbad, California for a third-party quality assurance evaluation. LDC concluded that the overall quality of the data was acceptable and all results as qualified are considered usable, with the following exception: the VOC non-detect result for bromomethane in sample MW004 was rejected (R) due to low laboratory control sample (LCS)/ laboratory control sample duplicate (LCSD) recoveries. The Data Usability Summary Report is included as **Appendix D.**

2.4 Monitoring Well Sampling Results

Analytical results for samples collected from the monitoring wells were compared to NYSDEC Ambient Water Quality Standards (AWQS). Tetrachloroethene (PCE) and 1-2, Dichloroethane (DCE) were detected at concentrations exceeding AWQS. Analytical results are displayed on **Table 2**.

PCE was detected at concentrations exceeding its AWQS in MW-5, MW-7, MW-8, and MW-9. The concentrations ranged from 9.88 µg/L (MW-5) to 106 µg/L (MW-9) DCE was detected at concentrations exceeding its AWQS in MW-8 (32.1 µg/L).

Wells MW-1, MW-2, MW-4, MW-6, MW-8D, MW-9D, and MW-10 did not have VOC concentrations exceeding AWQS. The highest degree of impact is located in the center of the site between wells MW-7, MW-8, and MW-9. Low to no impact in wells outside of this area demonstrates that the plume is contained to the area around DW-1 and DW-5.

The complete analytical data reports are included as **Appendix C**.

2.5 Historical Groundwater Results Discussion

Historical chlorinated VOC compound concentrations, dating as far back as 2001, for each well have been included in **Table 3**. This table includes PCE, TCE, DCE, and vinyl chloride (VC) concentrations only; please note that results with "J" qualifiers have been listed as non-detect as these concentrations are less than the reporting limit and are considered less accurate.

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Based on these results, the highest degree of impact appears to be located in the center of the site between wells MW-7, MW-8, and MW-9, which is consistent with groundwater sampling results over the past several years. Based upon the relatively low concentrations of chlorinated solvents in MW-2, MW-4, MW-5, MW-6, and MW-9D groundwater impact is not migrating to the property boundary, off-site, or deeper into the aquifer. Moreover, a reduction in VOC contractions was observed at the site compared to the previous monitoring event performed in July 2020.

Overall, the VOC impact at the site appears to have been substantially reduced by the chemical injections in December 2008 and January 2009. Total Chlorinated Volatile Organic Compound (CVOC) and groundwater elevation contour figures (**Figures 4 and 5)** have been generated to reflect groundwater flow direction as well as the extent of groundwater impact. These figures illustrate that groundwater flow is to northwest while the total CVOC concentrations have decreased and is limited to the area of the former source area centered around underground injection control structures DW-1 and DW-5.

2.6 Future Sampling Recommendations

Based on decreasing concentrations and the lack of off-site migration as detailed over the past years, PWGC recommends the following actions:

- Continue groundwater sampling on a pan-annual (every fifth quarter basis). Next groundwater sampling event will take place in March of 2023.
- Reduce the routine well sampling to MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-10.
- Discontinuing of sampling of MW-8D and MW-9D.

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3.0 SOIL VAPOR AND AMBIENT AIR SAMPLING

PWGC mobilized to the site on November 24, 2020, and on December 21 and 22, 2021, to perform air sampling activities. The November 2020 sampling event was performed in accordance with the routine sampling requirements of the SMP at the time and the December 2021 sampling was performed in accordance with the SSDS shut-down requirements detailed in the current version of the SMP updated in November 2021. The November 2020 air sampling is detailed in PWGC's "Indoor Air Quality Assessment 2020" dated December 2020 and is included as **Appendix G.** Generally, concentrations of PCE and TCE from the November 2020 sampling event were similar to previous sampling events in the residential and commercial space. Indoor air concentrations of methylene chloride were detected at elevated concentrations which were attributed to the tenant's usage of this chemical. Methylene chloride was also identified in soil vapor beneath the commercial building at concentrations of 148 µg/m^3 and 59.1 µg/m^3. PCE and TCE sub slab concentrations beneath the residential home were not detected at concentrations greater than laboratory detection limits.

In December 2021, PWGC mobilized to the site to collect sub-slab soil vapor samples and indoor air samples in accordance with the with the SSDS shut-down protocols detailed in the current version of the SMP. Prior to this sampling event, the SSDSs were deactivated on November 4, 2021, to allow for a six week neutralization period.

3.1 December 2021 Soil Vapor and Ambient Air Sampling

A total of six ambient air samples and five soil vapor samples were collected concurrently for a period of twenty-four hours by PWGC on December 21 to 22, 2021, which included five indoor air and five soil vapor air samples (one sample from each of the four main ground floor spaces in the commercial building and one from the basement of the residential home), and one outdoor air ambient sample. The sampling was performed in accordance with the updated SMP as a measure to begin the process of achieving shut down of one or both of the SSDS systems.

Each of the indoor air samples were collected from a height representing the breathing zone (between three and five feet above the floor). The outdoor air sample was collected from approximately three feet above the ground and placed in the up-wind direction from the buildings.

Soil vapor samples were collected from the permanent soil vapor monitoring points, with the exception of SV004, in December 2021. Soil vapor monitoring point SV004 was inaccessible during the December 2021 sampling event; therefore, a temporary soil vapor probe was installed through the floor slab in the vicinity of SV004, in accordance with procedures specified in the NYSDOH Guidance. Prior to sampling, the integrity of the

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sampling port seals was tested using tracer gas analysis. The environment surrounding the seal was enriched with the tracer gas, helium, as readings were collected through the sampling probe with a portable helium detector. Tracer gas readings collected from each soil vapor probe were acceptable indicating the seals were intact and the sampling probes were acceptable for sample collection. After the initial tracer gas test was performed, one to three volumes of the sample tubing were purged prior to collecting the sample. Flow rates for both purging and collecting did not exceed 0.2 liters per minute to minimize potential indoor air infiltration during sampling.

Samples were collected into 6-liter Summa® vacuum canisters fitted with 24-hour flow controllers. The canisters were certified clean by the laboratory. The samples were submitted to Alpha Analytical Laboratories for analysis of VOCs by USEPA Method TO-15-SIM for the ambient air samples and TO-15 for the soil vapor samples.

The soil-vapor/indoor air sampling locations were identified as follows:

- SV001/IA001 – Located in the western/warehouse portion of the commercial building.
- SV002/IA002 – Located in the central/warehouse portion of the commercial building.
- SV003/IA003 – Located in the eastern/warehouse portion of the commercial building.
- SV004/IA004 – Located in the southern/workshop portion of the commercial building.
- SV005/IA005 – Located in the residential house.
- OA001 – Outdoor air sample collected from the upwind side of the site.

A site plan illustrating the location of the sampling areas is included on **Figure 6.**

3.2 December 2021 Indoor Air and Soil Vapor Sampling Results

The primary method for analyzing soil vapor intrusion in New York State is by analyzing data using the NYSDOH decision matrices. The matrices include guidance for seven CVOCs: PCE, TCE, cis-1,2-dichlorethene, 1,1-dichloroethene, carbon tetrachloride, 1,1,1-trichloroethane, methylene chloride, and VC. The four possibilities of recommended guidance that can be obtained from the matrices are as follows:

- No further action – Indicating that vapor mitigation measures are not warranted for the compound being assessed.
- Monitor – Indicating that sub-slab vapor and indoor air concentrations are at levels that a significant intrusion condition cannot be confirmed or ruled out. Generally, the subsequent measures include assessing building conditions and/or resampling.

- Mitigate – Indicating that a soil vapor intrusion condition exists that should be mitigated to minimize potential exposures. A common mitigation measure is an SSDS similar to the systems currently installed at the two buildings at the subject property.
- Identify Source and Resample or Mitigate – Indicating that the source of impact may be emanating from an above ground source from inside the structure being sampled or form the outdoor air. In this scenario, efforts should be made to identify the source of impact and remove it, if possible. Mitigation measures also may be considered if soil vapor cannot be ruled out as a possible source.

Soil vapor and indoor air concentrations for PCE, cis-1,2-dichlorethene, 1,1-dichloroethene, carbon tetrachloride, 1,1,1-trichloroethane, and VC yielded guidance of "no further action" at each of the five sampling locations indicating that mitigation measures are not necessary for these compounds.

Soil vapor and indoor air concentrations for TCE yielded guidance of "no further action" at four of the five sampling locations, including at the residential house. One location situated in the workshop area of the commercial building, SV004/SV004, yielded a decision of "mitigate" as the sub-slab vapor concentration for TCE was 126 µg/m^3, which is greater than the mitigation guidance value for soil vapor of 60 µg/m^3, despite TCE not being detected above the laboratory MDL in the corresponding indoor air sample.

Soil vapor and indoor air concentrations for methylene chloride yielded guidance of "no further action" at three of the five sampling locations, including at the residential house. Two locations located within the commercial building, SV001/SV001 and SV002/IA002, yielded decisions of "identity source and resample or mitigate" and "mitigate" respectively. Indoor air analytical results for methylene chloride at IA001 and IA002 detected concentrations of 101 µg/m^3 and 23.3 µg/m^3, respectively, which exceed the indoor air guidance value of 10 µg/m^3. Sub-slab vapor analytical results for methylene chloride at SV001 and SV002 detected concentrations of 51.5 µg/m^3 and 497 µg/m^3, respectively. The concentration of methylene chloride at SV001 was less than the soil vapor guidance value for mitigation of 100 µg/m^3, and the concentration of methylene chloride at SV002 fell within the guidance range between 100 µg/m^3 and 1,000 µg/m^3 at which soil vapor mitigation is only recommended based on the concentration of the corresponding indoor air sample. Since the corresponding indoor air sample at SV002/IA002 yielded a result greater than the indoor air guidance value of 10 µg/m^3 with a concentration of 23.3 µg/m^3, a recommended decision of "mitigate" is triggered.

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Analytical results are shown in **Table 4**. The laboratory data report is included as **Appendix C**.

3.3 Quality Assurance / Quality Control

QA/QC for the soil vapor and air sampling event included the following of ASP-B protocols. The accuracy, precision, and completeness requirements were addressed by the laboratory for the data generated. York indicated in an analytical narrative report of the sampling that the samples were received in accordance with the chain of custody and no significant deviations were encountered during the preparation or analysis.

The sampling results were submitted to Laboratory Data Consultants (LDC), Inc of Carlsbad, California for a third-party quality assurance evaluation. LDC concluded that the overall quality of the data was acceptable and all results as qualified are considered usable. The Data Usability Summary Reports are included as **Appendix D.**

3.4 December 2021 Soil Vapor and Indoor Air Sample Results Analysis

Sub-slab vapor and indoor air concentrations at the residential house (SV005/SV005) yielded decisions of "no further action" when analyzed using the NYSDOH decision matrices for each of the seven compounds included in the guidance, including the site's historical contaminants of concern: PCE and TCE. The soil vapor and air indoor air results at the residential home indicate that vapor mitigation measures do not appear to be warranted.

The elevated sub-slab vapor concentration of TCE at SV004/IA004, located in the commercial building, yielded a decision of "mitigate" despite TCE not being detected in indoor air at this location. Due to the elevated concentration of TCE in soil vapor, which is a historical contaminant of concern at the site, soil vapor mitigation measures appear to remain warranted at this time.

Methylene Chloride has been detected in indoor air in the commercial building at elevated concentrations in past sampling events including April 2018, March 2019, and November 2020. The tenant in the commercial space at the time of sampling was a furniture manufacturer and had occupied the space since 2018. During the chemical inventory on December 21, 2021, multiple 5-gallon containers of Formica Exterior Golden Glue were observed, as well as other open containers of the substance. This substance is 70-90% Methylene Chloride by molecular weight and is believed to be the main source of the elevated concentrations of Methylene Chloride in the indoor air. Methylene chloride is not a target compound for the historical remediation of this site and is not detected in groundwater samples collected from the site. Moreover, the furniture manufacturing company has

since vacated the building and the equipment and products used by this company, including the containers of Formica Exterior Golden Glue, has been removed as well. Based on the furniture company vacating the building and cessation of the use of methylene chloride containing products, it is expected that methylene chloride concentrations at the site will improve.

The increases in sub-slab vapor concentrations are likely due to the SSDS being deactivated for six weeks prior to sampling. Based on analyzing the results using the NYSDOH decisions matrices, mitigation does not appear to be necessary in the residential home. However, based on sub-slab vapor and indoor air concentrations at the commercial building, mitigation measures are still recommended for this location. The SSDS at the commercial building was subsequently reactivated on February 4, 2022, while the SSDS at the residential house remained deactivated.

3.5 Future Recommendations

Based on these results, PWGC recommends the following actions:

- Based on the results of the December 2021 sampling event, the SSDS at the residential house will remain deactivated, and this location will be resampled during the heating season of 2022-2023. If analytical results of the next round of sampling meet NYSDOH criteria for “no further action”, the permanent deactivation of the SSDS at the residential house will be recommended.
- Based on the results of the December 2021 sampling event, the SSDS at the commercial building was reactivated as soil vapor and indoor air concentrations remain at concentrations that mitigation measures are recommended based on NYSDOH guidance.

4.0 SITE WIDE INSPECTION

The SMP was developed to confirm that the site remedy continues to be effective in protecting public health and the environment. The SMP specifies a site-wide inspection on an annual basis. During these inspections, an inspection form is completed which is included as **Appendix F**. The form is used to compile sufficient information to assess the following:

- Compliance with all ICs, including site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection;

- Compliance with permits and schedules included in the SMP; and
- Confirm that site records are up to date.

The site-wide inspection was performed on November 4, 2021 by Matthew Merrill, a representative of PWGC. The components of the SSDSs were visually inspected for signs of damage such as cracks in piping, fans, and alarms. The SSDSs were deactivated to confirm that the low-pressure alarms were active as well as to begin the SSDS shut-down analysis as detailed in Section 4. Prior to the deactivation of the SSDSs, vacuum gauge readings were recorded to confirm that the SSDS were active. The inspection indicated that the SSDS at the residential home and commercial building were functioning properly.

The soil cover system was observed during the site-wide inspection which consists of the majority of the site being paved with asphalt and the concrete foundations of the two buildings. There was no observed evidence of site development or ground-intrusive activities that would result in damage or deficiencies to the site cover system.

The groundwater monitoring system was inspected for signs of damage. MW-3 was determined to have been destroyed and is no longer viable. The other monitoring wells appeared to be in good condition with plugs and protective covers. NYSDEC had previously been notified of the condition of MW-3 and did not require that this well be replaced.

4.1 Future Inspection Recommendations

Based on these results PWGC recommends that the site-wide annual inspections continue with the next inspection scheduled for November 2022.

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5.0 CONCLUSIONS

This report documents activities performed between October 1, 2020, through December 31, 2021.

PWGC mobilized to the site on December 21 and 22, 2021, to perform groundwater monitoring activities.

Analytical results for samples collected from the monitoring wells were compared to AWQS. PCE was detected at concentrations exceeding its AWQS in MW-5, MW-7, MW-8, and MW-9. DCE was detected at a concentration exceeding its AWQS in MW-8. Wells MW-1, MW-2, MW-4, MW-6, MW-8D, MW-9D, and MW-10 did not contain exceedances during this reporting period.

Based on the analytical results, the highest degree of impact appears to be located in the center of the site between wells MW-7, MW-8, and MW-9. This area coincides with the UIC structures believed to have received discharges of chlorinated solvents from the former dry-cleaning operation. Based upon the relatively low concentrations of chlorinated solvents, especially PCE, in MW-2, MW-4, MW-6, MW-8D, and MW-9D with minor fluctuations it seems that the impact is not migrating towards the property boundary and off site, or to deeper intervals in the aquifer.

Overall, total VOC impact at the site appears to have been substantially reduced by the chemical injections in December 2008 and January 2009. Remaining groundwater impact is only observed in the immediate vicinity of the former source area and is less than 150 µg/L.

PWGC mobilized to the site on November 24, 2020, and December 21-22, 2021, to perform air sampling activities within the two onsite buildings. These sampling events are performed annually to confirm that the two SSDSs are mitigating against vapor intrusion. For the December 2021 sampling which was also performed to investigate if eventual shut-down of one or both of the SSDSs can be achieved, the SSDSs were deactivated for six weeks prior to the collection of indoor and sub-slab soil vapor samples from both buildings to allow the subsurface to attain normal background conditions.

The results of the December 2021 sampling indicated sub-slab concentrations of CVOCs, including PCE and TCE, beneath the residential house met the criteria for “no further action” according to NYSDOH guidance. Based on analyzing the results using NYSDOH guidance, mitigation continues to be recommended for TCE at the commercial building. Methylene chloride was detected in indoor air at concentrations which warranted the investigation of an on site, interior source. Products which include methylene chloride as a main ingredient were

previously used for on site furniture manufacturing activities, including at the time of the December 2021 sampling event, and was likely the source of elevated methylene chloride concentrations in indoor air. The furniture manufacturing company has since vacated the building and it is expected that methylene chloride concentrations at the site will improve. Based on the results of the December 2021 soil vapor and air sampling event, the SSDS at the residential house will remain deactivated until the next sampling event. If results of the next sampling event at the residential home meet NYSDOH criteria for "no further action", the permanent deactivation of this SSDS will be recommended. Based on the results of the soil vapor and indoor air samples at the commercial building, the SSDS at this location was reactivated on February 4, 2022.

PWGC mobilized to the site on November 4, 2021, to conduct a site-wide inspection. The inspection indicated that the SSDS at the residential home and commercial building were functioning properly prior to deactivation.

The soil cover system was observed during the site-wide inspection and was in good condition.

The groundwater monitoring system was also inspected for signs of damage. MW-3 was determined to have been destroyed and is no longer viable. NYSDEC was previously notified of the damage to MW-3 and agreed that this well did not require replacement. The other monitoring wells appeared to be in good condition with plugs and protective covers.

6.0 RECOMMENDATIONS

At this time, PWGC offers the following recommendations for the site:

- Due to a demonstrated decrease of chlorinated compound concentrations in groundwater since monitoring began in 2001 (corresponding to 22 sampling events), as well as the lack of migration of these compounds beyond the source area, PWGC recommends the following actions:
    - Continue groundwater sampling on a pan-annual (every fifth quarter basis). Next groundwater sampling event will take place in the first quarter of 2023.
    - Reduce the well sampling to MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-10.
    - Discontinue sampling of MW-8D and MW-9D as there has been little vertical migration of contaminants to deeper intervals within the historical source area.

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- Based on the results of the soil vapor and indoor air sampling in December 2021, the following is recommended:
    - Continued deactivation of the SSDS at the residential house and continued activation of the SSDS at the commercial building. SSDS in commercial space was reactivated on February 4, 2022.
    - Perform the next scheduled round of soil vapor and indoor air sampling during the heating season of 2022-2023 at both the commercial building and the residential house. Based on the results of this sampling event, permanent shut down of the SSDS at the residential house may be recommended.
- Continue annual site-wide inspections with the next inspection scheduled for November 2022.

7.0 REFERENCES

NYSDEC, Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values; June 1998 and addendum April 2000.

New York State Department of Health, *Vapor Intrusion Guidance*, October 2006

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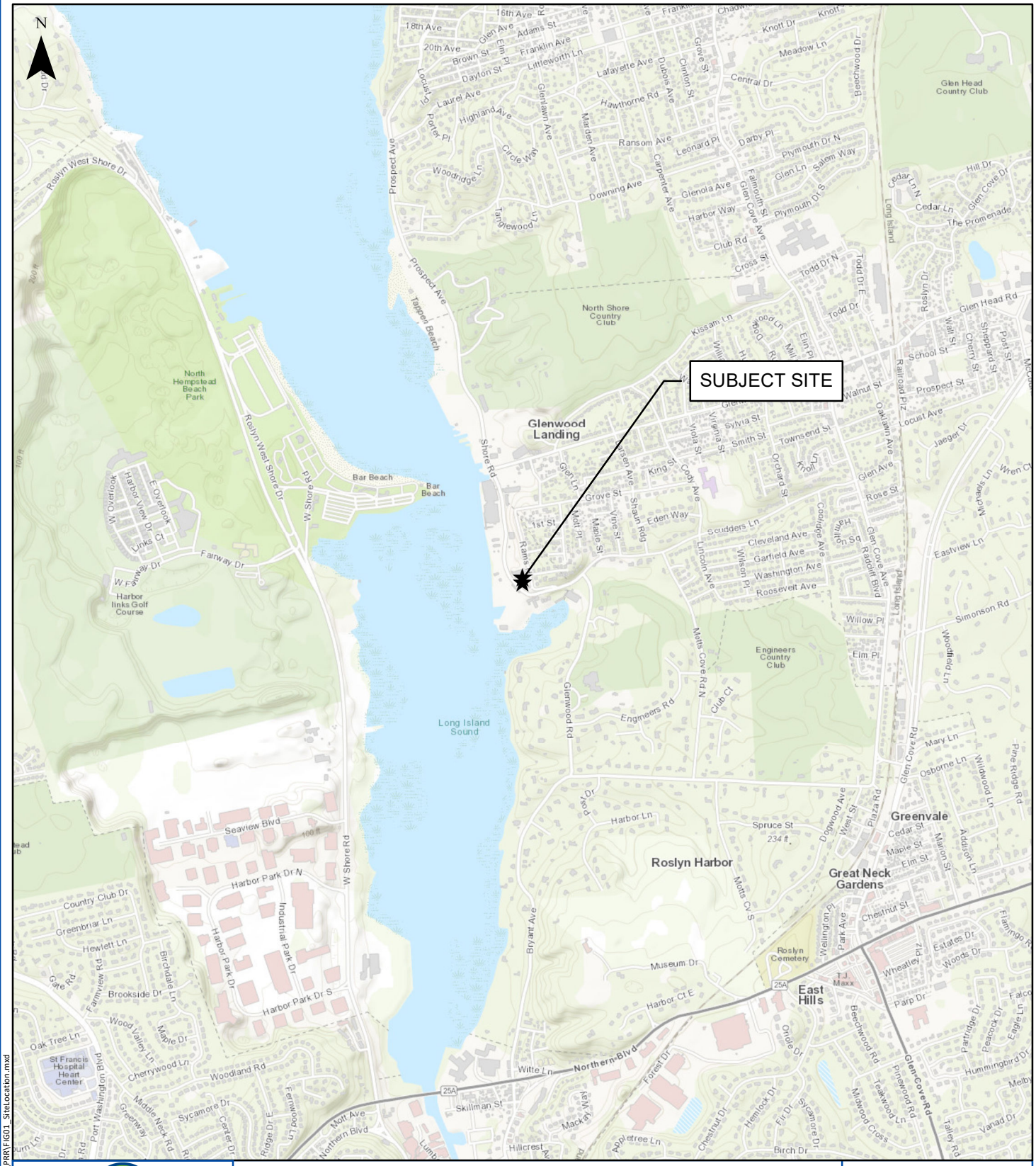
FIGURES



SITE LOCATION

1 SHORE ROAD
GLENWOOD LANDING, NY

Miles
0 ¼ ½ ¾ 1

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Date:	9/24/2020
Designed by:	JFC
Drawn by:	TJS
Approved by:	JFC
Figure No:	1

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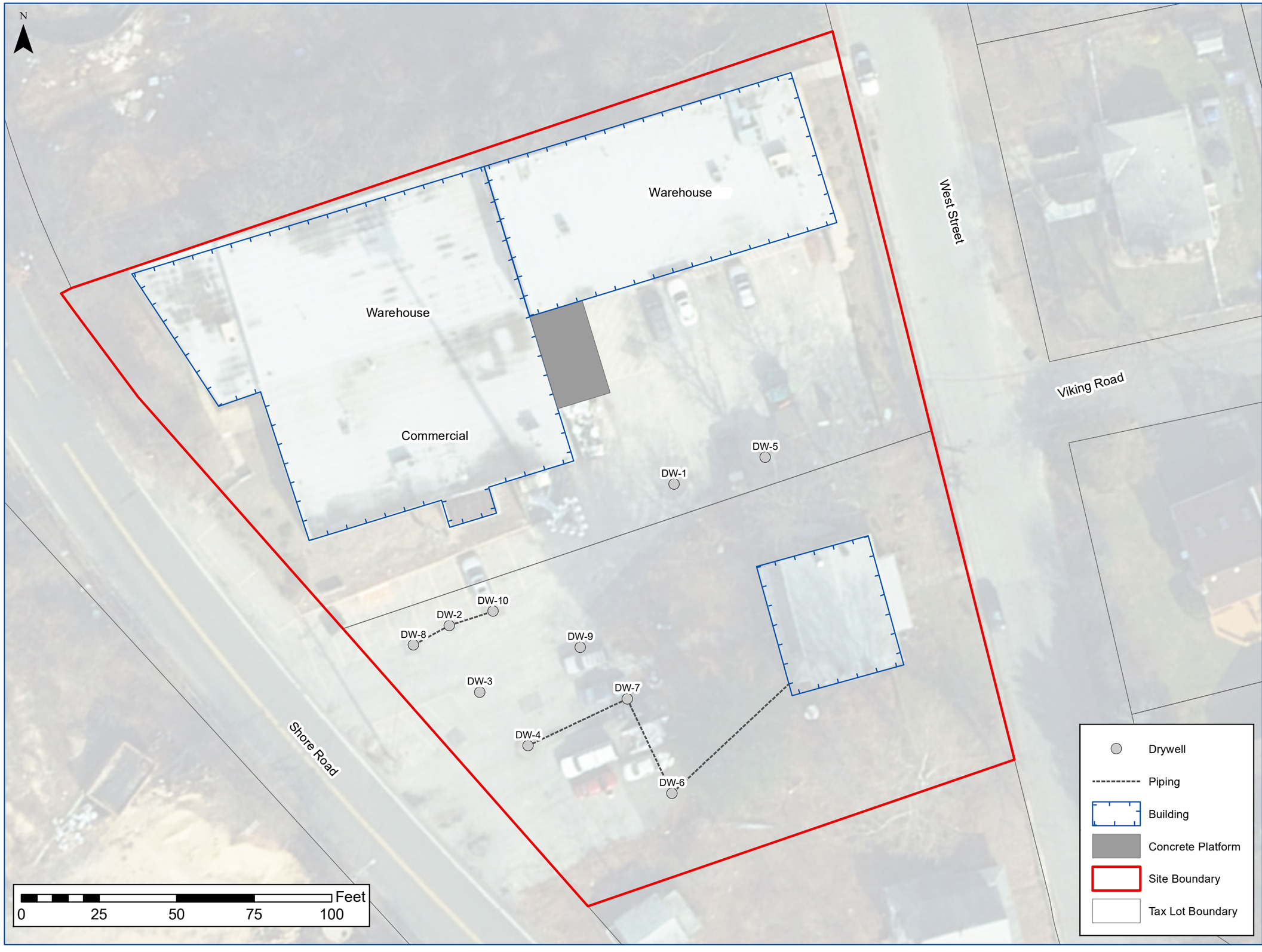

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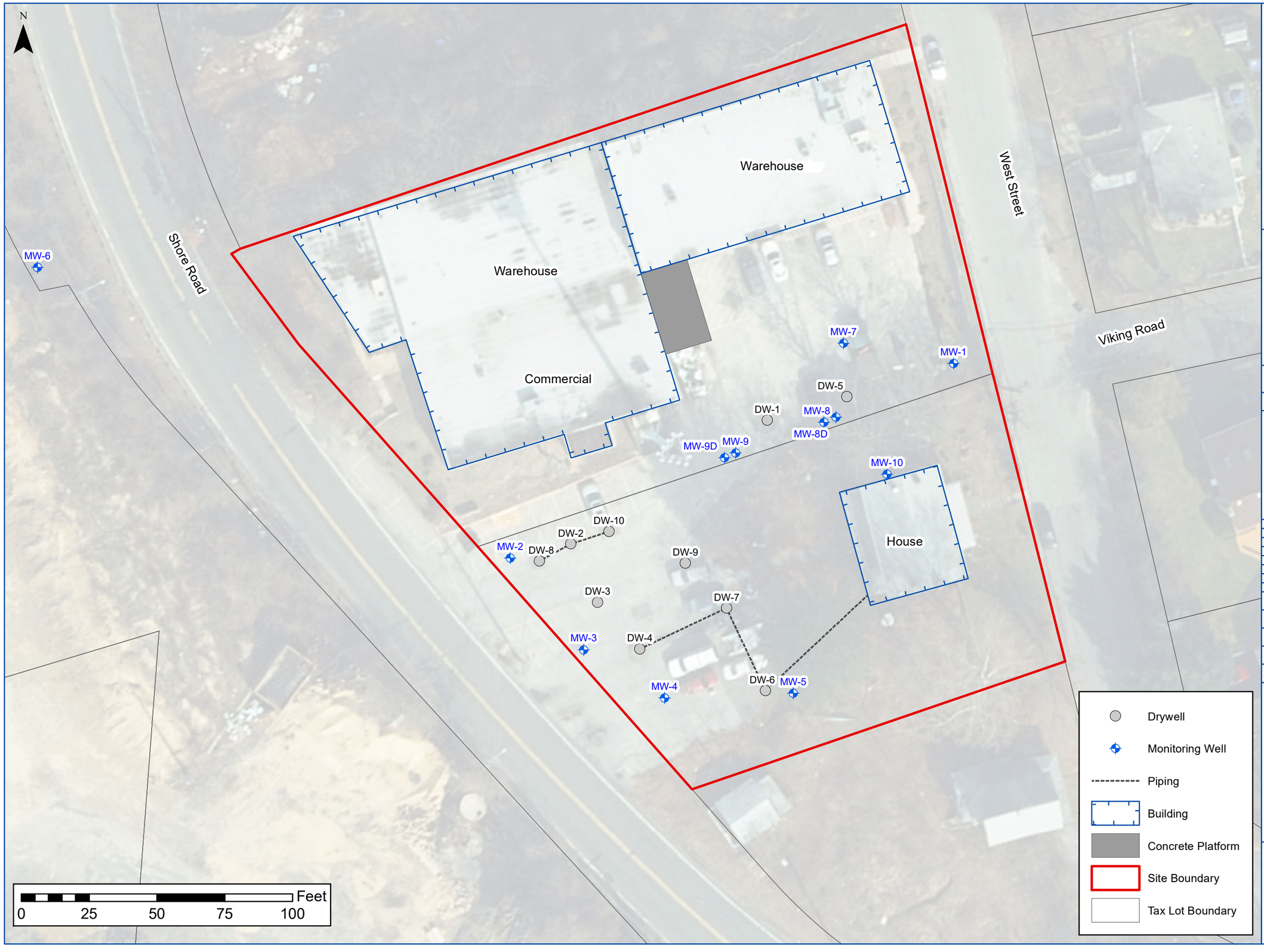
Scale:	AS SHOWN	Approved by:	JFC

Site Plan

1 Shore Rd
Glenwood Landing, NY



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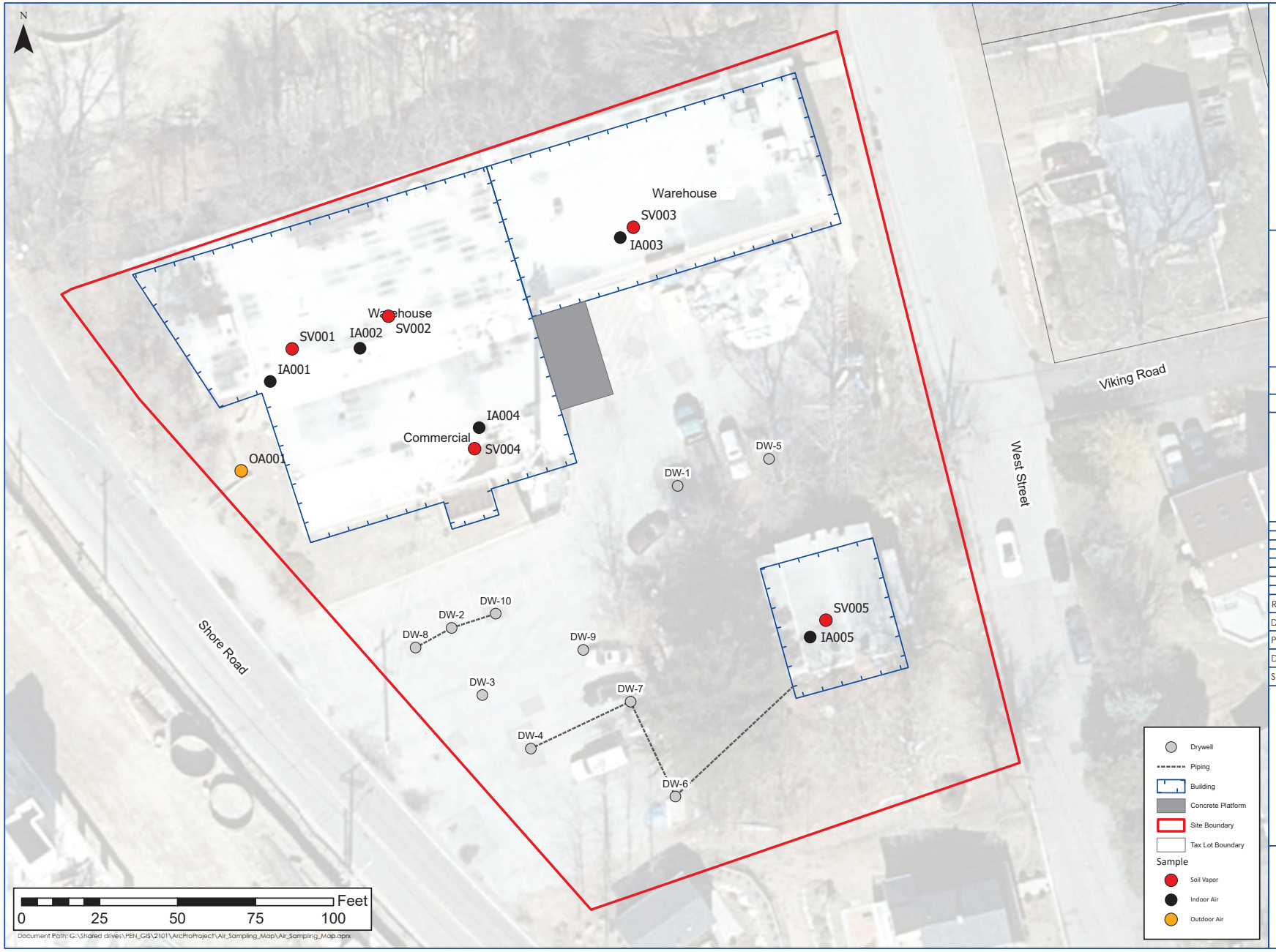
Monitoring Well Locations

1 Shore Rd
Glenwood Landing, NY



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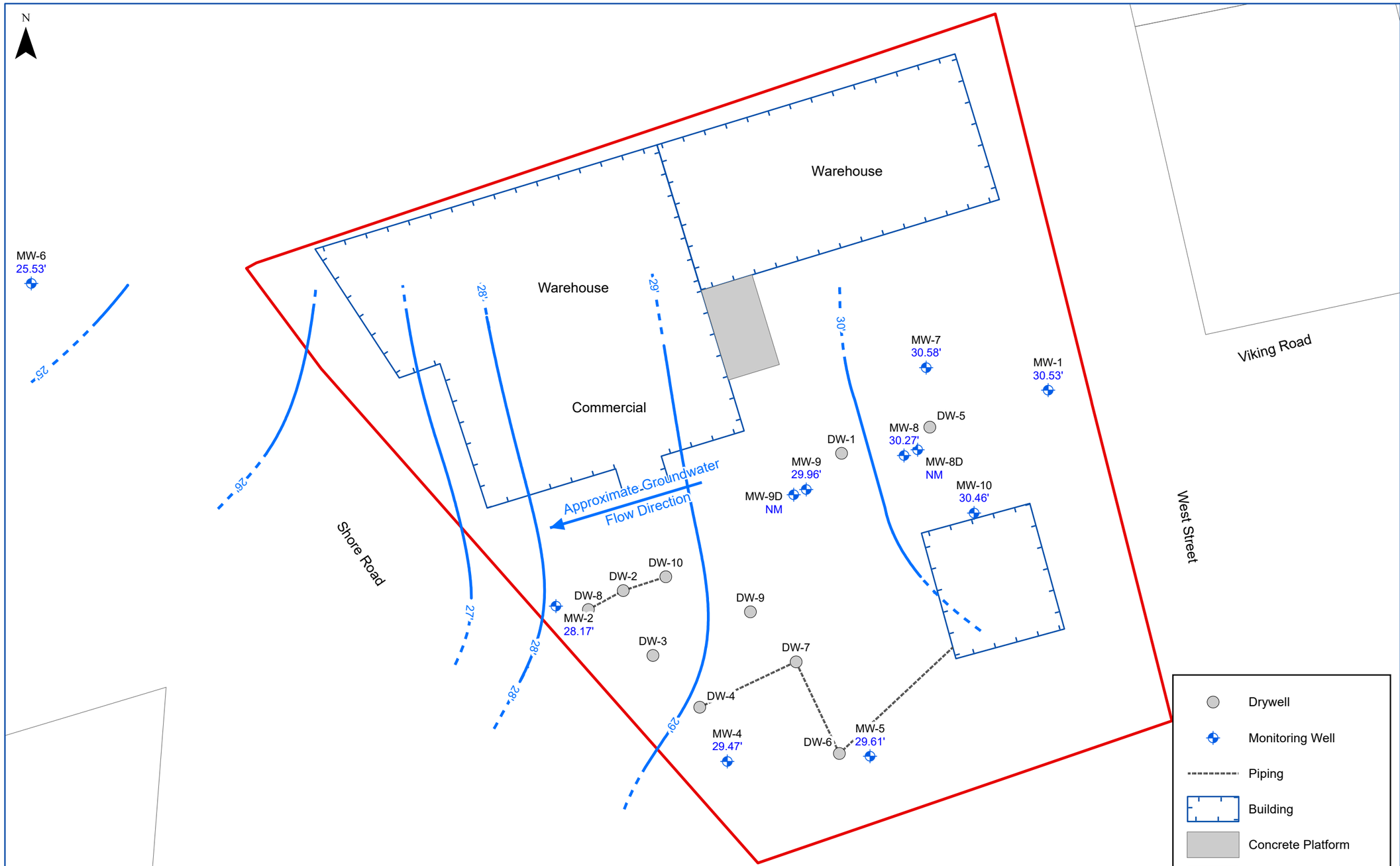
Air Sample Locations

December 2021
1 Shore Rd Glenwood Landing, NY



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Notes:
NM - not measured
Groundwater elevations measured on 9/9/2020 and 9/11/2020

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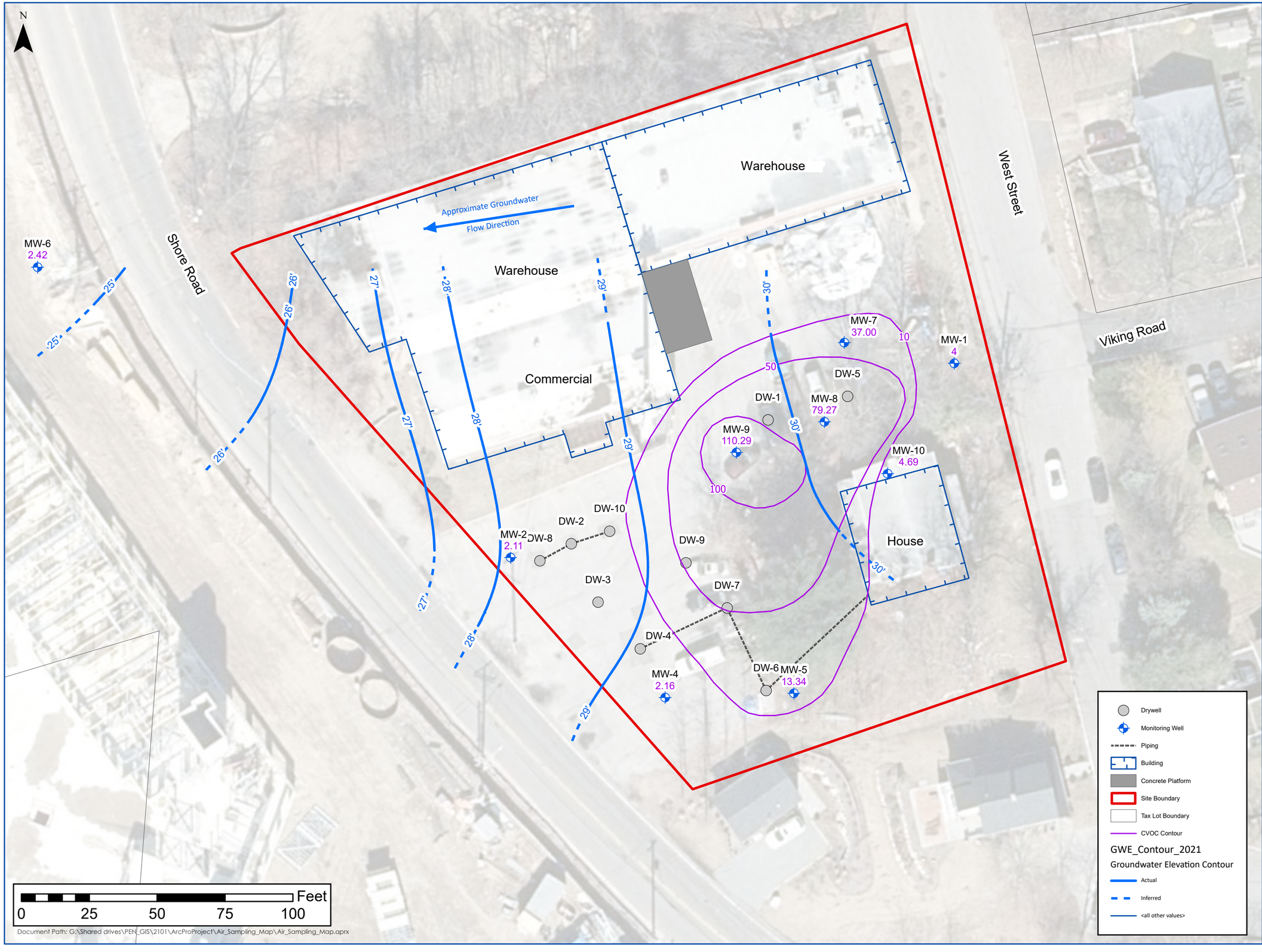
Groundwater Elevation December 2021

1 Shore Rd
Glenwood Landing, NY



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Scale:	AS SHOWN	Approved by:	KC

Total CVOC Contours December 2021

1 Shore Rd
Glenwood Landing, NY

TABLES

Table 1
Groundwater Monitoring Field Data
1 Shore Road, Glenwood Landing, NY

Well ID	Reference Elevation	Depth to Water	Relative Groundwater Elevation
December 21, 2021			
MW-1	49.06	18.53	30.53
MW-2	38.88	10.71	28.17
MW-3	38.86	NM	NM
MW-4	39.36	9.89	29.47
MW-5	40.32	10.71	29.61
MW-6	36.81	11.28	25.53
MW-7	49.18	18.60	30.58
MW-8	46.19	15.92	30.27
MW-9	44.86	14.90	29.96
MW-10	45.53	15.07	30.46

Notes:
Measurements are in feet.
The Reference Elevation is based on an arbitrary datum.

Table 2
December 2021 - Groundwater Analytical Results - VOCs
1 Shore Road, Glenwood Landing, New York

Sample ID Sampling Date Lab Sample ID	NYSDEC Groundwater Standards [1]	MW-1 12/21/2021 21L1300-04	MW-2 12/22/2021 21L1300-11	MW-4 12/21/2021 21L1300-02	MW-5 12/21/2021 21L1300-03	MW-6 12/21/2021 21L1300-01	MW-7 12/22/2021 21L1300-13	MW-8 12/22/2021 21L1300-15	MW-8D 12/22/2021 21L1300-14	MW-9 12/21/2021 21L1300-05	MW-9D 12/21/2021 21L1300-06	MW-10 12/22/2021 21L1300-12	DUPE 12/21/2021 21L1300-08
Volatile Organic Compounds by 8260 - µg/L													
1,1,1,2-Tetrachloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichloropropane	0.04	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	0.04	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromoethane	0.0006	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dioxane	NS	40 U	40 U	40 UJ	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
2-Butanone	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acetone	50	1 U	1 U	1 U	1.36 J	1.04 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acrylonitrile	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane	5	0.2 U	0.2 U	0.2 R	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon disulfide	60	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.49 J	0.2 U	0.23 J	0.2 U	0.2 U
Chloromethane	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5	0.2 U	0.2 U	0.66	0.84	1.94	0.2 U	**32.1**	0.2 U	0.2 U	0.2 U	0.2 U	0.64
cis-1,3-Dichloropropene	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	5	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	0.5	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl tert butyl ether	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.24 J	0.2 U	0.2 U
Methylene chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
p/m-Xylene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Diethylbenzene	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
p-Ethyltoluene	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
p-Isopropyltoluene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	5	4	1.83	0.67	**9.88**	0.48 J	**37**	**46.3**	0.98	**106**	0.2 U	4.69	0.69
Toluene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.38 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	5	0.2 U	0.28 J	0.83	2.62	0.2 U	0.2 U	0.87	0.2 U	4.29	0.2 U	0.2 U	0.85
Trichlorofluoromethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl chloride	2	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes, Total	NS	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Total VOCs	NS	4	2.11	2.16	14.7	3.46	37	84.63	1.47	110.29	0.47	4.69	2.18

Notes:
[1] NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998, April 2000 addendum
* - Guidance Value
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
Q - Indicates the lab controlled sample did not meet the control limits required.
U - The compound was not detected at the indicated concentration
Bold / Shaded text denotes concentrations exceeding NYSDEC AWQS

Table 3
Groundwater Historical CVOC Concentrations
1 Shore Road, Glenwood Landing, NY

Sampling Date:	AWQS [1]	11/13/01	1/19/05	9/6/06	9/17/08	4/6/09	7/7/09	10/7/09	1/20/10	4/8/10	10/13/10	4/20/11	4/24/15	10/28/15	4/28/16	10/25/16	4/27/17	10/31/17	4/3/18	12/19/18	7/24/19	9/11/20	12/21/21
MW-1																							
cis-1,2-Dichloroethene	5	ND	1.43	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	NC	NC	ND	ND	NC	ND	ND
Tetrachloroethene	5	**100**	**82.8**	**120**	**25**	**62**	**50**	**19**	**12**	**80**	**11**	**18**	**10**	**15**	**7.3**	**15**	NC	NC	**15**	**6.5**	NC	**14**	4
Trichloroethene	5	4	2.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	ND	ND	NC	0.51	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	ND	ND	NC	ND	ND
CVOCs, Total	NS	104	86.34	120	25	62	50	19	12.55	80	11	18	10	15	7.3	15	NC	NC	15	6.5	NC	14.51	4
MW-2																							
cis-1,2-Dichloroethene	5	**11**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	**11**	**14**	ND	ND	**5.1**	**6**	3.7	**5.2**	5	3.6	**7.5**	4.7	**6.1**	**5.6**	**9.1**	**9.1**	3	4.7	**7.9**	**5.6**	**6.5**	1.83
Trichloroethene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65	ND	ND	ND	ND	ND	0.5	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CVOCs, Total	NS	25	14	0	0	5.1	6	3.7	5.2	5	3.6	7.5	4.7	6.1	5.6	9.75	9.1	3	4.7	7.9	5.6	7	1.83
MW-3																							
cis-1,2-Dichloroethene	5	**97**	**14**	ND	**6**	1.8	ND	**17**	**18**	**6.9**	**27**	**100**	**79**	**67**	**100**	ND	**72**	**61**	**45**	ND	NC	NC	NC
Tetrachloroethene	5	**54**	ND	ND	ND	1.1	3.7	3.2	4.6	2.8	**6.4**	**20**	**54**	**37**	**13**	ND	**11**	**12**	3.7	ND	NC	NC	NC
Trichloroethene	5	**9**	0.7	ND	ND	1.2	**9.1**	**7.4**	**6.5**	2.2	**6**	**7.1**	**6.9**	**6.3**	2.4	0.78	4.4	4	1.1	ND	NC	NC	NC
Vinyl Chloride	2	**5**	ND	ND	ND	ND	**4.6**	**4.3**	**4**	**2.2**	**6.2**	**13**	**6.5**	**8.5**	**5.9**	ND	**13**	**10**	**2.8**	ND	NC	NC	NC
CVOCs, Total	NS	165	14.7	0	6	4.1	17.4	31.9	33.1	14.1	45.6	140.1	146.4	118.8	121.3	0.78	100.4	87	52.6	0	NC	NC	NC
MW-4																							
cis-1,2-Dichloroethene	5	3	ND	ND	ND	0.77	ND	3	2	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	**30**	ND	ND	0.66
Tetrachloroethene	5	**65**	ND	ND	ND	0.82	**5.6**	1.8	0.98	2.2	2.2	1.2	ND	ND	ND	ND	ND	ND	ND	**8.4**	2.6	2	0.67
Trichloroethene	5	**7**	ND	ND	**8**	1.8	**12**	3.9	0.52	0.54	0.64	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	0.75	0.83
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.3**	ND	ND	ND
CVOCs, Total	NS	75	0	0	8	3.39	17.6	8.7	3.5	3.27	2.84	1.2	0	0	0	0	0	0	0	47.5	2.6	2.75	2.16
MW-5																							
cis-1,2-Dichloroethene	5	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NC	ND	ND	ND	ND	ND	NC	ND	NC	2.7	0.84
Tetrachloroethene	5	NC	**11**	ND	ND	ND	ND	ND	ND	4.8	ND	0.53	ND	NC	ND	ND	**6.2**	1.9	NC	ND	NC	1	**9.88**
Trichloroethene	5	NC	**6**	ND	**6**	1.1	ND	1.1	ND	2.5	1.2	ND	ND	NC	ND	ND	0.55	0.78	NC	ND	NC	4.1	2.62
Vinyl Chloride	2	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NC	ND	ND	ND	ND	NC	ND	NC	ND	ND
CVOCs, Total	NS	NC	17	0	6	1.1	0	1.1	0	7.3	1.2	0.53	0	NC	0	0	6.75	2.68	NC	0	NC	7.8	13.34
MW-6																							
cis-1,2-Dichloroethene	5	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	NC	ND	ND	NC	ND	ND	ND	3.8	1.94
Tetrachloroethene	5	NC	2	ND	ND	2.2	2.3	2.1	4.3	**6.5**	2.8	**15**	NC	NC	NC	2.2	3.3	NC	2.1	2.6	3.3	1.1	ND
Trichloroethene	5	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	NC	ND	ND	NC	ND	ND	ND	ND	ND
Vinyl Chloride	2	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	NC	ND	ND	NC	ND	ND	ND	ND	ND
CVOCs, Total	NS	NC	2	0	0	2.2	2.3	2.1	4.3	6.5	2.8	15	NC	NC	NC	2.2	3.3	NC	2.1	2.6	3.3	4.9	1.94
MW-7																							
cis-1,2-Dichloroethene	5	NC	ND	**27**	ND	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	NC	**267**	**530**	**271**	NC	**240**	**120**	**130**	**100**	**140**	**290**	**190**	**110**	**140**	**97**	**170**	**98**	**70**	**92**	**140**	**86**	**37**
Trichloroethene	5	NC	**16.5**	ND	ND	NC	ND	ND	ND	**5.3**	ND	4.9	2.6	1	1.4	0.89	2.2	1	0.79	0.95	1.5	0.8	ND
Vinyl Chloride	2	NC	ND	ND	ND	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CVOCs, Total	NS	NC	283.5	557	271	NC	240	120	130	105.3	140	294.9	192.6	111	141.4	97.89	172.2	99	70.79	92.95	141.5	86.8	37
MW-8																							
cis-1,2-Dichloroethene	5	NC	NC	NC	**1,022**	**440**	**210**	**15**	ND	ND	4.2	**14**	ND	**21**	**16**	**30**	ND	ND	3	**15**	**12**	**30**	**32.1**
Tetrachloroethene	5	NC	NC	NC	**5,994**	**930**	**700**	**120**	**120**	**240**	**190**	**320**	**21**	**48**	**38**	**33**	**120**	2	**40**	**41**	**57**	**20**	**46.3**
Trichloroethene	5	NC	NC	NC	**742**	**92**	**25**	ND	ND	ND	ND	**18**	0.55	4	2.8	3.2	**5.6**	ND	2.1	1.3	1.6	1.5	0.87
Vinyl Chloride	2	NC	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CVOCs, Total	NS	NC	NC	NC	7,758	1462	935	135	120	240	194.2	352	21.55	73	56.8	66.2	125.6	2	45.1	57.3	70.6	51.5	79.27
MW-8D																							
cis-1,2-Dichloroethene	5	NC	NC	NC	**18**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	NC	NC	NC	**308**	NA	4.6	**6.4**	**5.5**	**12**	1.3	3.6	3.8	7.1	0.97	0.76	**64**	2.9	**140**	**9.2**	1	0.69	0.98
Trichloroethene	5	NC	NC	NC	**7**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	2	ND	ND	ND	ND
Vinyl Chloride	2	NC	NC	NC	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CVOCs, Total	NS	NC	NC	NC	333	0	4.6	6.4	5.5	12	1.3	3.6	3.8	7.1	0.97	0.76	65.2	2.9	142	9.2	1	0.69	0.98
MW-9																							
cis-1,2-Dichloroethene	5	NC	NC	NC	**17**	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	NC	NC	NC	**175**	**400**	**280**	**300**	**330**	**210**	**280**	**170**	**53**	**270**	**130**	**270**	**160**	**130**	**120**	**180**	**160**	**140**	**106**
Trichloroethene	5	NC	NC	NC	**9**	**12**	**10**	**11**	**16**	4.1	**12**	**22**	4.3	**8.9**	**13**	**8**	**16**	4.7	**10**	**15**	**10**	**7.6**	4.29
Vinyl Chloride	2	NC	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CVOCs, Total	NS	NC	NC	NC	201	412	290	311	346	214.1	295.2	192	57.3	278.9	143	278	176	134.7	130	195	170	147.6	110.29
MW-9D																							
cis-1,2-Dichloroethene	5	NC	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	NC	NC	NC	**12**	1.2	ND	ND	ND	ND	ND	ND	ND	1	ND	0.86	2	1.2	ND	0.77	0.87	ND	ND
Trichloroethene	5	NC	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	NC	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CVOCs, Total	NS	NC	NC	NC	12	1.2	0	0	0	0	0	0	0	1	0	0.86	2	1.2	0	0.77	0.87	0	0
MW-10																							
cis-1,2-Dichloroethene	5	NC	NC	NC	ND	0.83	ND	1.4	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	NC	NC	NC	**121**	**41**	**140**	**17**	**120**	**50**	**69**	**80**	**22**	**66**	**92**	**9.9**	**80**	**20**	**39**	ND	**58**	**30**	4.69
Trichloroethene	5	NC	NC	NC	ND	1.3	1.5	ND	1.4	0.67	0.62	1.3	0.78	ND	0.77	ND	0.56	0.93	0.94	ND	0.32	ND	ND
Vinyl Chloride	2	NC	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CVOCs, Total	NS	NC	NC	NC	121	43.13	141.5	18.4	122.8	50.67	69.62	81.3	22.78	66	92.77	9.9	80.56	20.93	39.94	0	58.32	30	4.69

Notes:
[1] NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998, April 2000 addendum (NYSDEC AWQS)
NS - No Standard
ND - Not detected
NA - Not analyzed
NC - Not collected
Bold / Shaded text denotes concentrations exceeding Groundwater Standards.

Table 4
December 2021 VOC Air Analytical Data
1 Shore Road, Glenwood Landing, NY

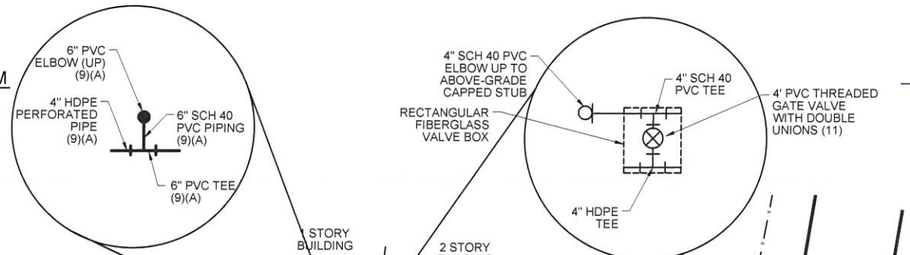
Location:		Commercial	Commercial	Commercial	Commercial	Residential	Commecial	Commerical	Commercial	Commercial	Residential	Outdoor Air
Sample ID:		IA001	IA002	IA003	IA004	IA005	SV001	SV002	SV003	SV004	SV005	OA001
Corresponding IA:	NYSDOH AGV FOR SOIL VAPOR AND INDOOR AIR	N/A	N/A	N/A	N/A	N/A	IA001	IA002	IA003	IA004	IA005	N/A
Sampling Date:	(Soil Vapor/Indoor Air)	12/21/2021	12/21/2021	12/21/2021	12/21/2021	12/21/2021	12/21/2021	12/21/2021	12/21/2021	12/21/2021	12/21/2021	12/21/2021
Lab Sample ID:		21L1313-02	21L1313-04	21L1313-06	21L1313-08	21L1313-10	21L1313-01	21L1313-03	21L1313-05	21L1313-07	21L1313-09	21L1313-11
Sample Type:		Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Outdoor Air
Volatile Organic Compounds (µg/m^3)												
1,1,1-Trichloroethane	1,000/10	0.454 U	0.402 U	0.473 U	0.415 U	0.456 U	0.984 U	1.17 D	4.89 D	14.4 D	0.904 U	0.453 U
1,1,2,2-Tetrachloroethane	NS	0.571 U	0.505 U	0.595 U	0.522 U	0.573 U	1.24 U	1.14 U	2.37 U	2.07 U	1.14 U	0.57 U
Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane)	NS	0.829 D	0.79 D	0.664 U	0.933 D	0.64 U	17.7 D	17.5 D	6.6 D	163 D	1.27 U	0.636 U
1,1,2-Trichloroethane	NS	0.454 U	0.402 U	0.473 U	0.415 U	0.456 U	0.984 U	0.903 U	1.88 U	1.64 U	0.904 U	0.453 U
1,1-Dichloroethane	NS	0.337 U	0.298 U	0.351 U	0.308 U	0.338 U	0.73 U	0.67 U	1.39 U	1.22 U	0.671 U	0.336 U
1,1-Dichloroethene	60/1	0.165 U	0.146 U	0.172 U	0.151 U	0.166 U	0.357 U	0.328 U	0.683 U	0.596 U	0.328 U	0.165 U
1,2,4-Trichlorobenzene	NS	0.617 U	0.546 U	0.643 U	0.565 U	0.62 U	1.34 U	1.23 U	2.56 U	2.23 U	1.23 U	0.616 U
1,2,4-Trimethylbenzene	NS	0.491 D	0.434 D	1.75 D	0.374 U	0.41 U	0.975 D	1.22 D	2.88 D	2.37 D	1.14 D	0.408 U
1,2-Dibromoethane	NS	0.639 U	0.566 U	0.665 U	0.585 U	0.642 U	1.39 U	1.27 U	2.65 U	2.31 U	1.27 U	0.638 U
1,2-Dichlorobenzene	NS	0.5 U	0.443 U	0.521 U	0.458 U	0.502 U	1.08 U	0.995 U	2.07 U	1.81 U	0.996 U	0.499 U
1,2-Dichloroethane	NS	0.337 U	0.298 U	0.35 U	0.308 U	0.338 U	0.73 U	0.67 U	1.39 U	1.22 U	0.671 U	0.336 U
1,2-Dichloropropane	NS	0.384 U	0.34 U	0.4 U	0.352 U	0.386 U	0.833 U	0.765 U	1.59 U	1.39 U	0.766 U	0.384 U
Freon 114 (1,2-Dichlorotetrafluoroethane)	NS	0.582 U	0.515 U	0.605 U	0.532 U	0.584 U	1.26 U	1.16 U	2.41 U	2.1 U	1.16 U	0.58 U
1,3,5-Trimethylbenzene	NS	0.409 U	0.362 U	0.596 D	0.374 U	0.41 U	0.886 U	0.814 U	1.69 U	1.48 U	0.815 U	0.408 U
1,3-Butadiene	NS	0.552 U	0.488 U	0.575 U	0.505 U	0.554 U	1.2 U	1.1 U	2.29 U	5.32 D	1.1 U	0.551 U
1,3-Dichlorobenzene	NS	0.5 U	0.443 U	0.521 U	0.458 U	0.502 U	1.08 U	0.995 U	2.07 U	1.81 U	0.996 U	0.499 U
1,4-Dichlorobenzene	NS	0.5 U	0.443 U	0.521 U	0.458 U	0.502 U	1.08 U	0.995 U	2.07 U	1.81 U	0.996 U	0.499 U
1,4-Dioxane	NS	0.6 U	0.53 U	0.624 U	0.548 U	0.602 U	1.3 U	1.19 U	2.48 U	2.17 U	1.19 U	0.598 U
2-Butanone	NS	2.01 D	1.63 D	23 D	1.3 D	0.788 D	1.6 D	7.37 D	2.34 D	7.45 D	1.76 D	0.783 D
2-Hexanone	NS	0.682 U	0.603 U	0.71 U	0.623 U	0.684 U	1.48 U	1.36 U	2.82 U	2.46 U	1.36 U	0.68 U
3-Chloropropene	NS	1.3 U	1.15 U	1.36 U	1.19 U	1.31 U	2.82 U	2.59 U	5.39 U	4.71 U	2.59 U	1.3 U
4-Methyl-2-pentanone	NS	0.341 U	0.302 U	4.72 D	0.312 U	0.342 U	0.739 U	0.678 D	1.41 U	4.81 D	0.679 U	0.34 U
Acetone	NS	14.4 D	14.4 D	182 D	7.72 D	6.47 D	11.4 J	46.8 D	12.3 D	279 D	8.11 D	7.28 D
Benzene	NS	0.718 D	0.705 D	0.968 D	1.41 D	0.774 D	0.576 U	0.529 U	1.1 U	8.65 D	0.529 U	0.769 D
Benzyl chloride	NS	0.431 U	0.381 U	0.448 U	0.394 U	0.432 U	0.933 U	0.857 U	1.78 U	1.56 U	0.858 U	0.43 U
Bromodichloromethane	NS	0.557 U	0.493 U	0.58 U	0.51 U	0.559 U	1.21 U	1.11 U	2.31 U	2.02 U	1.11 U	0.556 U
Bromoform	NS	0.86 U	0.761 U	0.895 U	0.787 U	0.863 U	1.86 U	1.71 U	3.56 U	3.11 U	1.71 U	0.858 U
Bromomethane	NS	0.323 U	0.286 U	0.336 U	0.295 U	0.324 U	0.7 U	0.643 U	1.34 U	1.17 U	0.643 U	0.322 U
Carbon disulfide	NS	0.259 U	0.229 U	0.27 U	0.237 U	0.26 U	0.561 U	0.515 U	1.07 U	0.937 D	0.516 U	0.258 U
Carbon tetrachloride	60/1	0.419 D	0.463 D	0.49 D	0.479 D	0.473 D	0.34 D	0.416 D	0.542 U	0.473 U	0.313 D	0.47 D
Chlorobenzene	NS	0.383 U	0.339 U	0.399 U	0.35 U	0.384 U	0.83 U	0.762 U	1.59 U	1.38 U	0.763 U	0.382 U
Chloroethane	NS	0.22 U	0.194 U	0.228 U	0.201 U	0.22 U	0.476 U	0.437 U	0.909 U	0.794 U	0.437 U	0.219 U
Chloroform	NS	0.406 U	0.359 U	0.423 U	0.372 U	0.408 U	0.88 U	0.808 U	1.68 U	3.23 D	0.809 U	0.405 U
Chloromethane	NS	1.39 D	1.41 D	1.43 D	1.38 D	1.33 D	0.894 D	0.581 D	0.712 U	0.621 U	0.342 U	1.3 D
cis-1,2-Dichloroethene	60/1	0.165 U	0.146 U	0.172 U	0.151 U	0.166 U	0.357 U	0.328 U	0.683 U	0.596 U	0.328 U	0.165 U
cis-1,3-Dichloropropene	NS	0.378 U	0.334 U	0.393 U	0.345 U	0.379 U	0.818 U	0.751 U	1.56 U	1.37 U	0.752 U	0.377 U
Cyclohexane	NS	0.344 D	0.38 D	16.9 D	0.262 U	0.287 D	2.85 D	1.14 D	1.19 U	1.04 D	0.57 U	0.286 U
Dibromochloromethane	NS	0.709 U	0.627 U	0.738 U	0.648 U	0.711 U	1.54 U	1.41 U	2.94 U	2.56 U	1.41 U	0.707 U
Dichlorodifluoromethane	NS	2.3 D	2.4 D	2.31 D	2.41 D	2.27 D	2.41 D	2.37 D	2.39 D	2.38 D	2.29 D	2.34 D
Ethyl Acetate	NS	0.959 D	1.22 D	13.5 D	1.01 D	0.602 U	1.3 U	1.19 U	2.48 U	2.17 U	1.19 U	0.598 U
Ethylbenzene	NS	0.759 D	0.863 D	6.99 D	1.09 D	0.363 U	0.783 U	8.48 D	39.5 D	1.57 D	0.72 U	0.36 U
Hexachlorobutadiene	NS	0.887 U	0.785 U	0.924 U	0.812 U	0.891 U	1.92 U	1.77 U	3.68 U	3.21 U	1.77 U	0.885 U
Isopropanol	NS	2.15 D	3 D	8.54 D	2.15 D	1.72 D	2.53 J	7.93 D	4.66 D	14 D	9.29 D	2.75 D
Methyl tert butyl ether	NS	0.3 U	0.265 U	0.312 U	0.274 U	0.301 U	0.65 U	0.597 U	1.24 U	1.08 U	0.597 U	0.299 U
Methylene chloride	1,000/10	**101** D	23.3 D	1.83 D	12.4 D	0.899 D	51.5 D	479 D	11.5 D	43.4 D	1.78 D	1.15 D
n-Heptane	NS	0.887 D	0.483 D	7.52 D	0.437 D	0.548 D	1.11 D	1.76 D	22.5 D	7.52 D	1.7 D	0.408 D
n-Hexane	NS	0.645 D	0.778 D	3.14 D	0.59 D	0.736 D	1.33 D	0.817 D	1.21 U	5.09 D	0.584 U	0.614 D
o-Xylene	NS	1.19 D	1.21 D	6.81 D	1.55 D	0.363 U	0.861 D	10.3 D	58.1 D	2.48 D	0.719 D	0.36 U
p/m-Xylene	NS	3.29 D	3.42 D	26.9 D	4.69 D	0.834 D	1.72 D	38.7 D	140 D	5.22 D	1.44 U	0.721 D
P-Ethyltoluene	NS	0.409 U	0.398 D	2.13 D	0.374 U	0.41 U	1.15 D	1.38 D	5.25 D	2.96 D	1.55 D	0.408 U
Styrene	NS	1.24 D	1.47 D	1.81 D	3.34 D	0.356 U	0.768 U	2.89 D	7.49 D	1.28 U	0.706 U	0.354 U
Tetrachloroethene	1,000/10	0.621 D	0.948 D	1.12 D	0.568 D	0.566 U	6.97 D	141 D	628 D	628 D	124 D	0.563 U
Tetrahydrofuran	NS	1.3 D	1.5 D	0.511 U	0.449 U	0.493 U	1.06 U	1.51 D	2.03 U	1.77 U	0.977 U	0.49 U
Toluene	NS	2.57 D	3.13 D	113 D	2.01 D	1.57 D	1.49 D	7.05 D	232 D	17.5 D	1.06 D	1.41 D
trans-1,2-Dichloroethene	NS	0.33 U	0.292 U	0.343 U	0.302 U	0.331 U	0.715 U	0.656 U	1.37 U	1.19 U	0.657 U	0.329 U
trans-1,3-Dichloropropene	NS	0.378 U	0.334 U	0.393 U	0.345 U	0.379 U	0.818 U	0.751 U	1.56 U	1.37 U	0.752 U	0.377 U
Trichloroethene	60/1	0.112 U	0.0989 U	0.116 U	0.102 U	0.112 U	0.775 D	12.1 D	2.78 D	**126** D	0.801 D	0.112 U
Trichlorofluoromethane	NS	1.36 D	1.41 D	1.31 D	1.33 D	1.27 D	1.42 D	2.05 D	2.71 D	2.03 D	1.3 D	1.26 D
Vinyl bromide	NS	0.364 U	0.322 U	0.379 U	0.333 U	0.365 U	0.789 U	0.724 U	1.51 U	1.32 U	0.725 U	0.363 U
Vinyl chloride	60/0.2	0.106 U	0.0941 U	0.111 U	0.0973 U	0.107 U	0.23 U	0.212 U	0.44 U	0.384 U	0.212 U	0.106 U

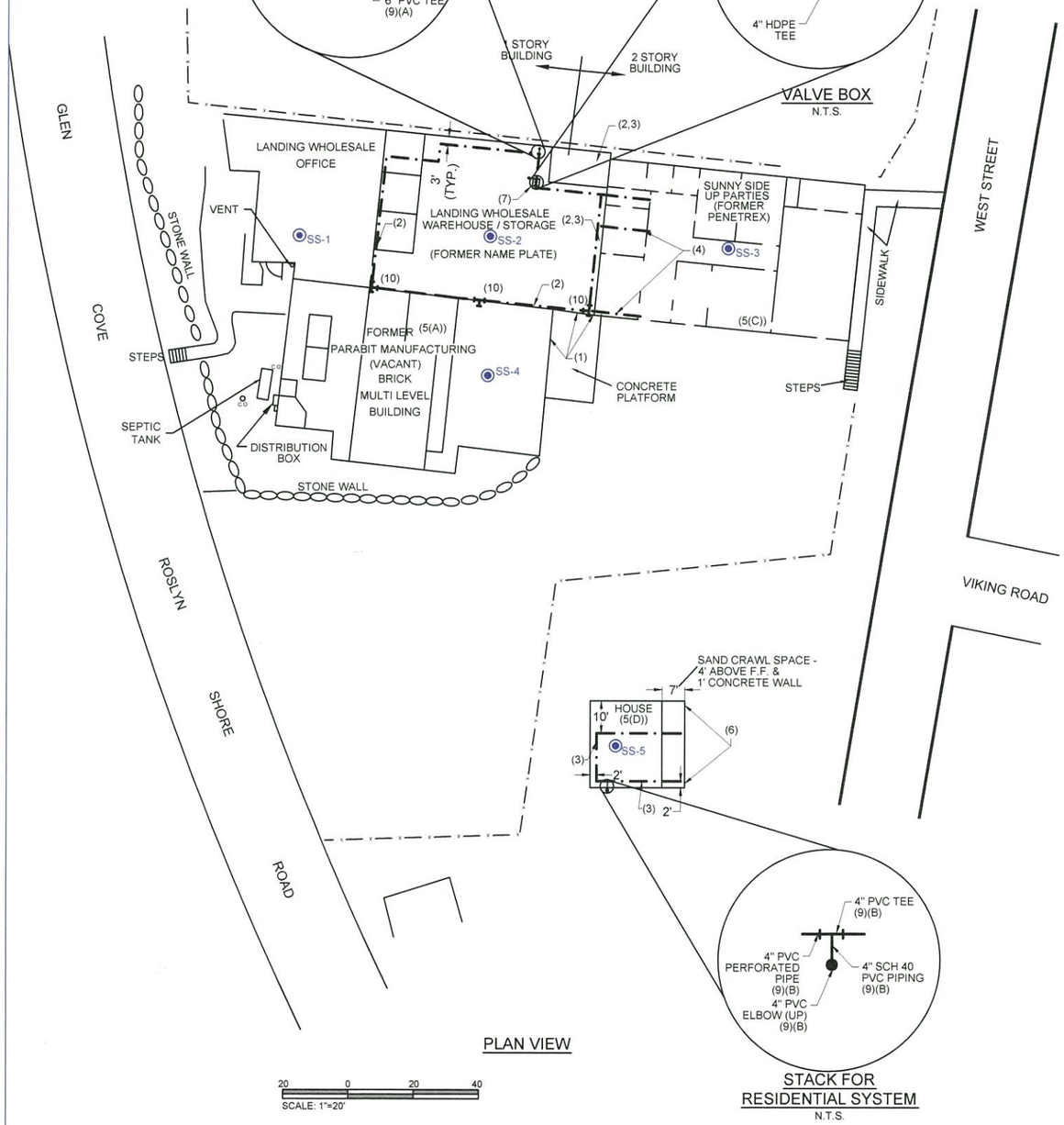
Notes:
1 - Air Guideline Values, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (applies to indoor air only)
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
D - Result is from an analysis that was detected
Shaded text denotes indoor air concentrations exceed NYSDOH AGV for Action Indipendant of the Coresponding Indoor Air or Soil Vapor Concentration

APPENDIX A

SSDS As Built Designs

STACK FOR COMMERCIAL SYSTEM
N.T.S.





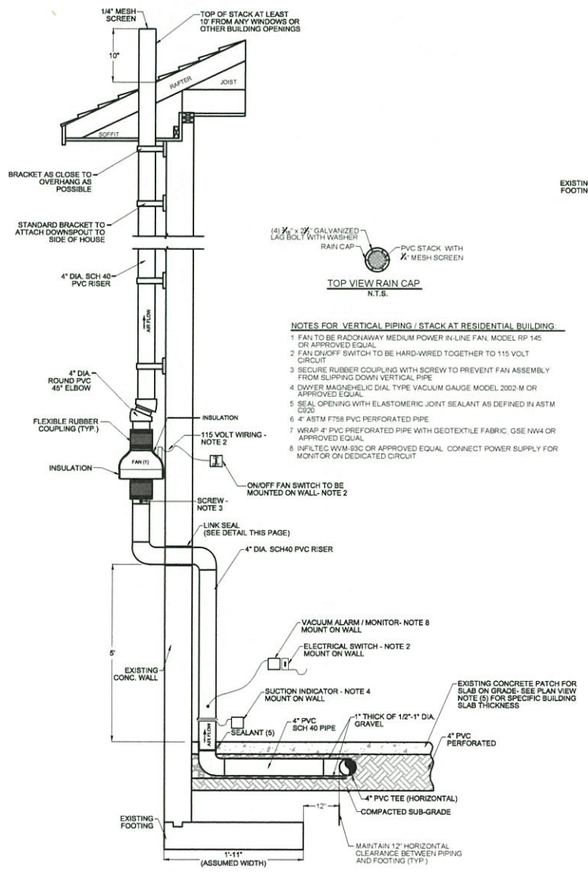
PLAN VIEW

20 0 20 40
SCALE: 1"=20'

LEGEND
- SOLID PIPE
- PERFORATED PIPE
- SS-2 SUB-SLAB VAPOR SAMPLING LOCATION

STACK FOR RESIDENTIAL SYSTEM
N.T.S.

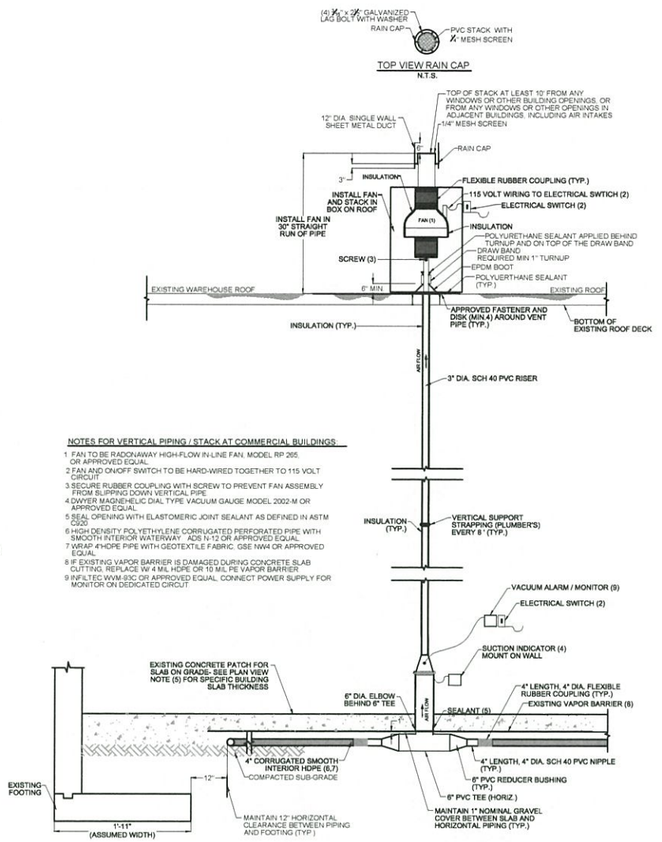
NOTES:
1. THE LAND WHOLESALE WAREHOUSE, SUNNY SIDE UP PARTIES, AND PARABIT MANUFACTURING BUILDINGS ARE ASSUMED TO HAVE SEPARATE FOUNDATIONS.
2. INSTALL HDPE PERFORATED PIPING 3' FROM INTERIOR WALL. THIS ASSUMES FOOTINGS ARE 2' WIDE, FROM THE INTERIOR WALLS, AND THEREFORE THE PIPING IS 12" INSIDE OF THE FOOTINGS.
3. INSTALL 4" DIA. SCH 40 PVC SOLID PIPE IN SAME TRENCH AS HDPE PERFORATED PIPE W/ 12" OF CLEARANCE FROM FOUNDATION WALL.
4. INSTALL 3-15' SECTIONS OF 4" PVC PERFORATED PIPE W/ CAPPED ENDS. REFER TO CONSTRUCTION DETAILS (THIS SHEET). REMOVE CYLINDRICAL SECTIONS OF SOIL WITH HIGH PRESSURE AIR TO INSTALL PIPE.
5. (A) 10" THICK EXIST. CONCRETE SLAB WITH VAPOR BARRIER. (B) 11" THICK EXIST. CONCRETE SLAB WITH VAPOR BARRIER. (C) 11" THICK EXIST. CONCRETE SLAB WITH VAPOR BARRIER. (D) 4" THICK EXIST. CONCRETE SLAB.
6. INSTALL 2-8' SECTIONS OF 4" PVC PERFORATED PIPE. REFER TO (4) ABOVE FOR INSTALLATION DETAILS.
7. INSTALL CAPPED STUB OF 4" PVC SOLID PIPE 4' ABOVE F.F. FOR POSSIBLE FUTURE CONNECTION TO STACK & FAN. FAN & STACK WILL BE INSTALLED IF CONTAMINANT CONCENTRATIONS BENEATH THE SUNNY SIDE SLAB ARE NOT REDUCED WITHIN THE TIME INDICATED BY THE SAMPLING PLAN. AT THAT TIME, THE GATE VALVE WHICH ALLOWS FLOW FROM THE SUNNY SIDE SYSTEM INTO THE LANDING SYSTEM WILL BE CLOSED, ISOLATING THE TWO SYSTEMS.
8. INSTALL 4' CAPPED STUB FOR POSSIBLE FUTURE EXPANSION ON SOUTH SIDE OF BUILDING.
9. (A) FOR DETAILS OF THE 6" PVC TEE, CONNECTING HORIZONTAL PIPING, VERTICAL PIPING, ABOVE GRADE EQUIPMENT & THE EXHAUST STACK, REFER TO SUB-SLAB DE-PRESSURIZATION SYSTEM DETAIL FOR COMMERCIAL BUILDINGS (THIS SHEET). (B) FOR DETAILS OF THE 4" PVC TEE, CONNECTING HORIZONTAL PIPING, VERTICAL PIPING, ABOVE GRADE EQUIPMENT & THE EXHAUST STACK, REFER TO SUB-SLAB DE-PRESSURIZATION SYSTEM-DETAIL FOR RESIDENTIAL BUILDING (THIS SHEET).
10. INSTALL 4" HDPE TEES FOR POSSIBLE FUTURE EXPANSION OF SYSTEM.
11. INFILTEC WVM-93C OR APPROVED EQUAL. CONNECT POWER SUPPLY FOR MONITOR ON DEDICATED CIRCUIT.



SUB-SLAB DE-PRESSURIZATION SYSTEM DETAIL FOR RESIDENTIAL BUILDING
N.T.S.

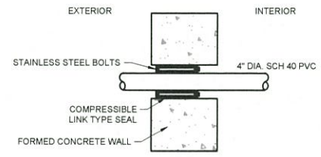
TOP VIEW RAIN CAP
N.T.S.

NOTES FOR VERTICAL PIPING / STACK AT RESIDENTIAL BUILDING
1. FAN TO BE RADONAWAY MEDIUM POWER IN-LINE FAN, MODEL RP 145 OR APPROVED EQUAL
2. FAN ON/OFF SWITCH TO BE HARD-WIRED TOGETHER TO 115 VOLT CIRCUIT
3. SECURE RUBBER COUPLING WITH SCREW TO PREVENT FAN ASSEMBLY FROM SLIPPING DOWN VERTICAL PIPE
4. DWYER MAGNEHELIC DIAL TYPE VACUUM GAUGE MODEL 2002-M OR APPROVED EQUAL
5. SEAL OPENING WITH ELASTOMERIC JOINT SEALANT AS DEFINED IN ASTM C920
6. 4" ASTM F758 PVC PERFORATED PIPE.
7. WRAP 4" PVC PREFORATED PIPE WITH GEOTEXTILE FABRIC, GSE NW4 OR APPROVED EQUAL
8. INFILTEC WVM-93C OR APPROVED EQUAL. CONNECT POWER SUPPLY FOR MONITOR ON DEDICATED CIRCUIT



NOTES FOR VERTICAL PIPING / STACK AT COMMERCIAL BUILDINGS
1. FAN TO BE RADONAWAY HIGH-FLOW IN-LINE FAN, MODEL RP 265, OR APPROVED EQUAL
2. FAN AND ON/OFF SWITCH TO BE HARD-WIRED TOGETHER TO 115 VOLT CIRCUIT
3. SECURE RUBBER COUPLING WITH SCREW TO PREVENT FAN ASSEMBLY FROM SLIPPING DOWN VERTICAL PIPE
4. DWYER MAGNEHELIC DIAL TYPE VACUUM GAUGE MODEL 2002-M OR APPROVED EQUAL
5. SEAL OPENING WITH ELASTOMERIC JOINT SEALANT AS DEFINED IN ASTM C920
6. HIGH DENSITY POLYETHYLENE CORRUGATED PERFORATED PIPE WITH SMOOTH INTERIOR WATERWAY. ADS N-12 OR APPROVED EQUAL
7. WRAP 4"HDPE PIPE WITH GEOTEXTILE FABRIC, GSE NW4 OR APPROVED EQUAL
8. IF EXISTING VAPOR BARRIER IS DAMAGED DURING CONCRETE SLAB CUTTING, REPLACE W/ 4 MIL HDPE OR 10 MIL PE VAPOR BARRIER
9. INFILTEC WVM-93C OR APPROVED EQUAL. CONNECT POWER SUPPLY FOR MONITOR ON DEDICATED CIRCUIT

SUB-SLAB DE-PRESSURIZATION SYSTEM DETAIL FOR COMMERCIAL BUILDINGS
N.T.S.



LINK TYPE SEAL DETAIL
N.T.S.

REVISIONS	DATE	INITIAL	COMMENTS

AS-BUILT SITE PLAN AND DETAILS
1 SHORE ROAD
GLENWOOD LANDING
FORMER PENETREX PROCESSING
NYSDEC I.D. No. 130034

PWGC
Strategic Environmental & Engineering Solutions
630 Johnson Ave. Suite 7 Bohemia, N.Y. 11716-2618
Ph: 631 589-6353 Fx: 631 589-8705 E-mail: info@pwgrosser.com

Project: PEN0001	Approved By: PWG	Figure No: 7
Designed By: DD	Date: 8/15/07	
Drawn By: TC/LLG	Scale: AS SHOWN	

J:\Projects M-R\Pen - Penetrex\SSDPS\FIG1 As Built.dwg

APPENDIX B

Sampling Logs

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW-1	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	18.53	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	27.60	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	4.00
Sample Date:	12/21/2021	**Begin Purge Time:**	13:27
Sample Time:	13:40	**Complete Purge Time:**	13:39
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.333	**Purge Time (min):**	12
Total Purge Volume (L):	4		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	York Analytical	**Notes:**	Well is not easily accessible and in good condition. Not secured.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	DNR	DNR	13:27	14.98	6.11	1.6	92	3.06	5.95	
DNR	1.0	0.333	13:30	15.65	6.07	0.3	103	3.10	5.17	
DNR	2.0	0.333	13:33	15.80	6.06	0	109	3.15	4.74	
DNR	3.0	0.333	13:36	15.87	6.06	0	113	3.19	4.49	
DNR	4.0	0.333	13:39	15.87	6.06	0	116	3.21	4.41	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW-2	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	10.71	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	18.19	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	4.00
Sample Date:	12/22/2021	**Begin Purge Time:**	8:39
Sample Time:	09:00	**Complete Purge Time:**	8:54
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.167	**Purge Time (min):**	15
Total Purge Volume (L):	2.5		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	York Analytical	**Notes:**	Well is accessible and in good condition, not secured. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	0.5	0.167	8:39	14.94	6.48	75.1	124	0.399	6.55	
DNR	0.75	0.083	8:42	14.73	6.15	54.5	136	0.401	2.46	
DNR	1.0	0.083	8:45	15.16	6.10	25.3	122	0.393	1.60	
DNR	1.25	0.083	8:48	15.49	6.08	40.2	107	0.393	1.08	
DNR	2	0.250	8:51	15.56	6.06	35.9	80	0.393	1.00	
DNR	2.5	0.167	8:54	15.56	6.05	38.4	77	0.393	1.00	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW-4	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	9.89	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	17.44	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	4.00
Sample Date:	12/21/2021	**Begin Purge Time:**	10:53
Sample Time:	11:15	**Complete Purge Time:**	11:14
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.310	**Purge Time (min):**	21
Total Purge Volume (L):	6.5		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	York Analytical	**Notes:**	Poor seal of well by J-Plug. DUP001, MS-MSD taken. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	0.50	0.5	10:53	14.56	5.50	12.1	136	0.710	10.61	
DNR	1.5	0.333	10:56	14.99	5.55	14.1	114	0.710	8.69	
DNR	2.5	0.333	10:59	15.00	5.56	13.7	104	0.705	8.19	
DNR	3.5	0.333	11:02	14.97	5.58	9.2	90	0.706	7.43	
DNR	4	0.167	11:05	15.24	5.58	5.7	73	0.707	6.88	
DNR	4.5	0.167	11:08	15.25	5.60	4.7	43	0.703	6.62	
DNR	5.5	0.333	11:11	15.25	5.64	4.8	19	0.702	6.26	
DNR	6.5	0.333	11:14	15.20	5.65	4.7	16	0.701	6.17	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW-5	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	10.71	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	19.95	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	2.00
Sample Date:	12/21/2021	**Begin Purge Time:**	12:04
Sample Time:	12:35	**Complete Purge Time:**	12:31
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.278	**Purge Time (min):**	27
Total Purge Volume (L):	7.5		
Sample Appearance:	Clear/Cloudy	**Odors Observed:**	None
Analytical Laboratory:	York Analytical	**Notes:**	Well is acccessible , but overgrown/covered with plants. Used a metal detector to locate it. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	DNR	DNR	12:04	13.58	5.84	185	113	1.730	5.26	
DNR	0.5	0.167	12:07	14.10	5.80	166	113	1.720	2.77	
DNR	1	0.167	12:10	14.68	5.77	117	103	1.760	0.98	
DNR	2	0.333	12:13	14.87	5.79	80	86	1.930	0.68	
DNR	3	0.333	12:16	14.90	5.80	66	79	2.010	0.62	
DNR	4	0.333	12:19	14.85	5.83	35	56	2.140	0.48	
DNR	5	0.333	12:22	14.80	5.85	23.5	39	2.190	0.42	
DNR	5.5	0.167	12:25	14.67	5.86	14.2	35	2.290	0.41	
DNR	6.5	0.333	12:28	15.21	5.84	12.9	30	2.520	0.43	
DNR	7.5	0.333	12:31	15.55	5.86	8.2	17	2.740	0.55	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW-6	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	11.28	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	19.32	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	2.00
Sample Date:	12/21/2021	**Begin Purge Time:**	09:14
Sample Time:	9:40	**Complete Purge Time:**	09:32
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.306	**Purge Time (min):**	18
Total Purge Volume (L):	5.5		
Sample Appearance:	Clear	**Odors Observed:**	DNR
Analytical Laboratory:	York Analytical	**Notes:**	Well was not in good condition, missing a cover. Hard to find/grass covers the well. Used a metal detector. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	0.50	0.50	9:14	14.02	5.64	32.2	197	0.662	1.68	
DNR	1	0.167	9:17	14.28	5.55	26.6	202	0.668	1.57	
DNR	1.5	0.167	9:20	14.65	5.41	14.5	211	0.664	1.43	
DNR	2.5	0.333	9:23	14.70	5.31	10.0	217	0.665	1.36	
DNR	3.5	0.333	9:26	14.79	5.19	4.9	224	0.666	1.30	
DNR	4.5	0.333	9:29	14.80	5.13	1.3	228	0.666	1.26	
DNR	5.5	0.333	9:32	14.83	5.10	0	231	0.666	1.25	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW-7	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	18.60	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	29.03	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	2.00
Sample Date:	12/22/2021	**Begin Purge Time:**	10:32
Sample Time:	10:55	**Complete Purge Time:**	10:50
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.250	**Purge Time (min):**	18
Total Purge Volume (L):	4.5		
Sample Appearance:	Cloudy	**Odors Observed:**	DNR
Analytical Laboratory:	York Analytical	**Notes:**	Well is accessible and in good condition. Not secured. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	0.50	0.167	10:32	14.17	6.37	236.0	154	0.825	5.12	
DNR	0.75	0.083	10:35	14.66	6.18	248	158	0.876	4.91	
DNR	1.25	0.167	10:38	15.15	6.16	231	157	1.120	4.96	
DNR	1.75	0.167	10:41	15.49	6.17	213	158	1.130	4.75	
DNR	2.25	0.167	10:44	15.73	6.17	219	160	1.180	4.79	
DNR	3	0.250	10:47	15.96	6.17	80.5	162	1.210	4.67	
DNR	4.5	0.500	10:50	16.02	6.17	46.1	165	1.210	4.66	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW-8	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	15.92	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	22.29	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	2.00
Sample Date:	12/22/2021	**Begin Purge Time:**	12:05
Sample Time:	12:42	**Complete Purge Time:**	12:41
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.208	**Purge Time (min):**	36
Total Purge Volume (L):	7.5		
Sample Appearance:	Cloudy- Yellow	**Odors Observed:**	None
Analytical Laboratory:	York Analytical	**Notes:**	Well is accessible and in good condition. Not secured. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	0.25	0.083	12:05	14.15	5.84	0	54	2.35	4.74	
DNR	1.5	0.417	12:08	14.64	5.95	0	51	3.12	3.08	
DNR	2.0	0.167	12:11	14.80	6.02	621	77	3.18	2.69	
DNR	2.5	0.167	12:14	15.10	6.07	954	90	3.12	2.50	
DNR	3	0.167	12:17	14.65	6.09	647	101	3.09	2.52	
DNR	3.5	0.167	12:20	14.44	6.10	414	115	3.08	2.49	
DNR	4.0	0.167	12:23	14.36	6.12	281	121	3.06	2.5	
DNR	4.5	0.167	12:26	14.36	6.13	198	123	3.06	2.47	
DNR	5	0.167	12:29	14.76	6.14	198	120	3.02	2.41	
DNR	5.5	0.167	12:32	14.90	6.15	120	120	3.00	2.37	
DNR	6	0.167	12:35	14.91	6.15	115	120	3.00	2.36	
DNR	6.5	0.167	12:38	14.93	6.16	108	120	3.00	2.33	
DNR	7.5	0.333	12:41	15.00	6.16	103	120	2.99	2.31	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW-8D	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	16.44	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	42.20	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	2.00
Sample Date:	12/22/2021	**Begin Purge Time:**	11:14
Sample Time:	11:55	**Complete Purge Time:**	11:50
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.250	**Purge Time (min):**	36
Total Purge Volume (L):	9		
Sample Appearance:	Slightly Cloudy	**Odors Observed:**	None
Analytical Laboratory:	York Analytical	**Notes:**	Well is accessible and in good condition. Not secured. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	0.50	0.167	11:14	13.31	6.05	44.1	176	2.330	6.83	
DNR	0.75	0.083	11:17	13.35	6.07	52.2	173	2.770	2.01	
DNR	1.0	0.083	11:20	13.35	6.08	59.8	167	2.830	1.04	
DNR	1.25	0.083	11:23	12.97	6.10	55.8	137	2.860	0.97	
DNR	1.5	0.083	11:26	13.41	6.12	47.3	99	2.790	0.82	
DNR	2	0.167	11:29	16.60	6.15	188	70	2.240	1.28	Turbidity increased
DNR	3.0	0.333	11:32	18.30	6.15	101	72	2.120	1.4	Turbidity is stabilizing
DNR	3.75	0.250	11:35	17.59	6.22	53.5	81	1.540	2.14	
DNR	4.75	0.333	11:38	18.09	6.21	28.6	80	0.978	3.34	
DNR	5.75	0.333	11:41	18.47	6.13	42.7	89	1.440	2.62	
DNR	6.75	0.333	11:44	17.08	6.13	11.1	103	0.862	3.67	
DNR	7.75	0.333	11:47	16.59	6.08	33.6	106	0.694	3.54	
DNR	9.0	0.417	11:50	16.92	6.09	37.2	105	0.673	3.65	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

PWGC CLIENT DRIVEN SOLUTIONS

Well Sampling Log

Well Designation:	MW-9	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	14.90	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	22.85	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	2.00
Sample Date:	12/21/2021	**Begin Purge Time:**	15:30
Sample Time:	15:50	**Complete Purge Time:**	15:45
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.233	**Purge Time (min):**	15
Total Purge Volume (L):	3.5		
Sample Appearance:	Slightly Cloudy	**Odors Observed:**	None
Analytical Laboratory:	York Analytical	**Notes:**	Well is accessible and in good condition. Not secured. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	DNR	DNR	15:30	13.46	5.64	274	191	1.420	7.48	
DNR	1	0.333	15:33	15.18	5.82	57	185	1.510	1.63	
DNR	1.5	0.583	15:36	15.52	5.89	41	183	1.520	1.17	
DNR	2	0.167	15:39	15.79	5.96	20	182	1.500	1.17	
DNR	2.5	0.250	15:42	15.94	6.02	8.3	178	1.480	1.38	
DNR	3.5	0.250	15:45	15.97	6.04	5.7	175	1.470	1.44	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW-9D	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	15.43	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	47.05	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	2.00
Sample Date:	12/21/2021	**Begin Purge Time:**	14:30
Sample Time:	15:00	**Complete Purge Time:**	14:57
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.333	**Purge Time (min):**	27
Total Purge Volume (L):	9		
Sample Appearance:	Slightly Cloudy	**Odors Observed:**	None
Analytical Laboratory:	York Analytical	**Notes:**	Well is accessible and in good condition. Good seal on J-Plug. Well is unsecured. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	DNR	DNR	14:30	13.23	6.80	0	119	0.358	18.40	
DNR	1.5	0.500	14:33	13.47	6.07	0	182	0.388	7.03	
DNR	3	0.500	14:36	13.69	5.89	0	194	0.387	6.35	
DNR	4.5	0.500	14:39	13.76	5.84	1000	198	0.386	6.10	Turbidity jumped to 1000
DNR	6	0.500	14:42	13.83	5.79	420	203	0.385	6.00	Turbidity is stabilizing
DNR	7.0	0.333	14:45	13.75	5.80	251	203	0.382	5.88	
DNR	7.5	0.167	14:48	13.79	5.78	161	206	0.384	5.84	
DNR	8	0.167	14:51	14.02	5.76	110	207	0.383	5.80	
DNR	8.5	0.167	14:54	14.10	5.74	68.3	208	0.382	5.76	
DNR	9	0.167	14:57	14.13	5.73	43.2	208	0.380	5,76	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

PWGC CLIENT DRIVEN SOLUTIONS

Well Sampling Log

Well Designation:	MW-10	**Sampled By:**	JU
Site Address:	1 Shore Road, Glen Head	**Project Manager:**	Ryan Morley
		Project Number:	PEN2101

Measuring Point (feet above MSL) (NAVD88)	North Arrow Notch	**Well Use:**	Monitor
Depth to Product (ft):	NP	**Product Elevation (ft):**	NP
Depth to Water (ft):	15.07	**Groundwater Elevation (ft):**	~
Depth to Bottom (ft):	20.80	**Bottom Elevation (ft):**	NM
Depth to Top Screen below MP (ft):	DNR	**Pump Dial (Unitless)**	DNR
Depth to Bottom Screen below MP(ft):	DNR	**Well Diameter (in):**	2.00
Sample Date:	12/22/2021	**Begin Purge Time:**	9:28
Sample Time:	10:05	**Complete Purge Time:**	10:04
Purge Method/ Pump Type	Low Flow/ Submersible	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.222	**Purge Time (min):**	36
Total Purge Volume (L):	8		
Sample Appearance:	Slightly Cloudy	**Odors Observed:**	None
Analytical Laboratory:	York Analytical	**Notes:**	Well is accessible and in good condition. Not secured. Reduced discharge speed to ~100mL/min for VOC collection.
Date Shipped:	12/22/2021		
Headspace (ppm)	N/A		
Analyses Requested:			
VOCs (8260)			

Field Stabilization Parameters

DTW (ft) below MP	Purge Vol. (L)	Purge rate L/Min	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
DNR	DNR	DNR	9:28	13.03	5.80	919.0	138	2.33	5.22	
DNR	1	0.333	9:31	13.02	5.84	0	146	3.07	3.67	
DNR	1.5	0.167	9:34	13.59	5.92	1000	149	3.21	3.30	rbidity went down to 0
DNR	2	0.167	9:37	14.85	5.98	666.0	150	3.17	3.27	bidity jumped ton 1000
DNR	2.5	0.167	9:40	15.16	6.03	490	156	3.20	3.23	urbidity is normalizing
DNR	3.25	0.250	9:43	15.25	6.05	286	164	3.23	3.00	
DNR	4.0	0.250	9:46	15.72	6.07	225	165	3.21	3.09	
DNR	4.75	0.250	9:49	15.36	6.08	215	164	3.21	2.99	
DNR	5.5	0.250	9:52	15.29	6.09	123	161	3.27	2.87	
DNR	6.25	0.250	9:55	15.37	6.10	92	150	3.26	2.87	
DNR	6.75	0.250	9:58	15.40	6.10	68.1	148	3.26	2.77	
DNR	7.5	0.250	10:01	15.41	6.11	57.3	144	3.25	2.86	
DNR	8.0	0.167	10:04	15.42	6.12	45.4	138	3.25	2.81	
Stabilization Parameters				3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

APPENDIX C

Analytical Data Reports

Technical Report

prepared for:

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia NY, 11716
Attention: Ryan Morley

Report Date: 12/30/2021
Client Project ID: PEN2101 1 Shore Rd, Glenwood Landing
York Project (SDG) No.: 21L1300

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 12/30/2021
Client Project ID: PEN2101 1 Shore Rd, Glenwood Landing
York Project (SDG) No.: 21L1300

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia NY, 11716
Attention: Ryan Morley

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 22, 2021 and listed below. The project was identified as your project: **PEN2101 1 Shore Rd, Glenwood Landing**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L1300-01	MW006	Water	12/21/2021	12/22/2021
21L1300-02	MW004	Water	12/21/2021	12/22/2021
21L1300-03	MW005	Water	12/21/2021	12/22/2021
21L1300-04	MW001	Water	12/21/2021	12/22/2021
21L1300-05	MW009	Water	12/21/2021	12/22/2021
21L1300-06	MW009D	Water	12/21/2021	12/22/2021
21L1300-07	EB001	Water	12/21/2021	12/22/2021
21L1300-08	DUP001	Water	12/21/2021	12/22/2021
21L1300-09	TB001	Water	12/21/2021	12/22/2021
21L1300-10	FB001	Water	12/22/2021	12/22/2021
21L1300-11	MW002	Water	12/22/2021	12/22/2021
21L1300-12	MW010	Water	12/22/2021	12/22/2021
21L1300-13	MW007	Water	12/22/2021	12/22/2021
21L1300-14	MW008D	Water	12/22/2021	12/22/2021
21L1300-15	MW008	Water	12/22/2021	12/22/2021

General Notes for York Project (SDG) No.: 21L1300

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 12/30/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: MW006 **York Sample ID:** 21L1300-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 8:40 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW006 **York Sample ID:** 21L1300-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 8:40 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.04**	J	ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**1.94**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW006 **York Sample ID:** 21L1300-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 8:40 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.480**	J	ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW006 **York Sample ID:** 21L1300-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 8:40 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.3 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*87.1 %*	*79-122*

Sample Information

Client Sample ID: MW004 **York Sample ID:** 21L1300-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 11:15 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW004 **York Sample ID:** 21L1300-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 11:15 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**0.660**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW004**

York Sample ID: **21L1300-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 11:15 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.670**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW004** **York Sample ID:** **21L1300-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 11:15 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**0.830**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 01:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.9 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*88.7 %*	*79-122*

Sample Information

Client Sample ID: MW005 **York Sample ID:** 21L1300-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 12:35 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW005 **York Sample ID:** 21L1300-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 12:35 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.36**	J	ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**0.840**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW005**

York Sample ID: **21L1300-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 12:35 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**9.88**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW005** **York Sample ID:** **21L1300-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 12:35 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**2.62**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:11	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.4 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*89.4 %*	*79-122*

Sample Information

Client Sample ID: MW001 **York Sample ID:** 21L1300-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 1:40 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW001 **York Sample ID:** 21L1300-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 1:40 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW001 **York Sample ID:** 21L1300-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 1:40 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**4.00**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW001 **York Sample ID:** 21L1300-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 1:40 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 02:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*87.3 %*	*79-122*

Sample Information

Client Sample ID: MW009 **York Sample ID:** 21L1300-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:50 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW009 **York Sample ID:** 21L1300-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:50 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW009**

York Sample ID: **21L1300-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:50 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**106**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW009 **York Sample ID:** 21L1300-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:50 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**4.29**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:05	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.4 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*88.3 %*	*79-122*

Sample Information

Client Sample ID: **MW009D** **York Sample ID:** **21L1300-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW009D** **York Sample ID:** **21L1300-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	**Chloroform**	**0.230**	J	ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW009D** **York Sample ID:** **21L1300-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.240**	J	ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW009D **York Sample ID:** 21L1300-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:32	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*87.2 %*	*79-122*

Sample Information

Client Sample ID: **EB001** **York Sample ID:** **21L1300-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 1:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EB001** **York Sample ID:** **21L1300-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 1:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EB001** **York Sample ID:** **21L1300-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 1:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EB001** **York Sample ID:** **21L1300-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 1:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 03:59	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.3 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*87.2 %*	*79-122*

Sample Information

Client Sample ID: DUP001 **York Sample ID:** 21L1300-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP001 **York Sample ID:** 21L1300-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**0.640**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP001 **York Sample ID:** 21L1300-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.690**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP001 **York Sample ID:** 21L1300-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**0.850**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*86.8 %*	*79-122*

Sample Information

Client Sample ID: TB001 **York Sample ID:** 21L1300-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB001 **York Sample ID:** 21L1300-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB001 **York Sample ID:** 21L1300-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB001 **York Sample ID:** 21L1300-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 21, 2021 3:00 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:24	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.0 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*94.9 %*	*79-122*

Sample Information

Client Sample ID: **FB001** **York Sample ID:** **21L1300-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 12:20 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB001 **York Sample ID:** 21L1300-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 12:20 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB001** **York Sample ID:** **21L1300-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 12:20 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB001 **York Sample ID:** 21L1300-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 12:20 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 00:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*94.7 %*	*79-122*

Sample Information

Client Sample ID: MW002 **York Sample ID:** 21L1300-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 3:00 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW002 **York Sample ID:** 21L1300-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 3:00 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW002**

York Sample ID: **21L1300-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 3:00 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**1.83**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW002** **York Sample ID:** **21L1300-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 3:00 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**0.280**	J	ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 04:53	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*85.5 %*	*79-122*

Sample Information

Client Sample ID: MW010 **York Sample ID:** 21L1300-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 10:05 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW010 **York Sample ID:** 21L1300-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 10:05 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW010 **York Sample ID:** 21L1300-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 10:05 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**4.69**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW010 **York Sample ID:** 21L1300-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 10:05 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:19	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*85.6 %*	*79-122*

Sample Information

Client Sample ID: MW007 **York Sample ID:** 21L1300-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 10:55 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW007 **York Sample ID:** 21L1300-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 10:55 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW007**

York Sample ID: **21L1300-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 10:55 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**37.0**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW007** **York Sample ID:** **21L1300-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 10:55 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*86.8 %*	*79-122*

Sample Information

Client Sample ID: MW008D

York Sample ID: 21L1300-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 11:55 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW008D** **York Sample ID:** **21L1300-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 11:55 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	**Chloroform**	**0.490**	J	ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW008D** **York Sample ID:** **21L1300-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 11:55 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.980**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW008D **York Sample ID:** 21L1300-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 11:55 am	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:13	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*86.1 %*	*79-122*

Sample Information

Client Sample ID: MW008 **York Sample ID:** 21L1300-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 12:45 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**4.98**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW008 **York Sample ID:** 21L1300-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 12:45 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**32.1**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW008**

York Sample ID: **21L1300-15**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 12:45 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**46.3**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	**trans-1,2-Dichloroethylene**	**0.380**	J	ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW008** **York Sample ID:** **21L1300-15**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1300	PEN2101 1 Shore Rd, Glenwood Landing	Water	December 22, 2021 12:45 pm	12/22/2021

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**0.870**		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/23/2021 06:48	12/24/2021 06:40	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*87.0 %*	*79-122*

Analytical Batch Summary

Batch ID: BL12771 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
21L1300-01	MW006	12/23/21
21L1300-02	MW004	12/23/21
21L1300-03	MW005	12/23/21
21L1300-04	MW001	12/23/21
21L1300-05	MW009	12/23/21
21L1300-06	MW009D	12/23/21
21L1300-07	EB001	12/23/21
21L1300-08	DUP001	12/23/21
21L1300-09	TB001	12/23/21
21L1300-10	FB001	12/23/21
21L1300-11	MW002	12/23/21
21L1300-12	MW010	12/23/21
21L1300-13	MW007	12/23/21
21L1300-14	MW008D	12/23/21
21L1300-15	MW008	12/23/21
BL12771-BLK1	Blank	12/23/21
BL12771-BS1	LCS	12/23/21
BL12771-BSD1	LCS Dup	12/23/21
BL12771-MS1	Matrix Spike	12/23/21
BL12771-MSD1	Matrix Spike Dup	12/23/21

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12771 - EPA 5030B											
Blank (BL12771-BLK1)											Prepared & Analyzed: 12/23/2021
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12771 - EPA 5030B											
Blank (BL12771-BLK1)											Prepared & Analyzed: 12/23/2021
Methylene chloride	ND	2.00	ug/L								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.66*		*"*	*10.0*		*96.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.52*		*"*	*10.0*		*95.2*	*79-122*				
LCS (BL12771-BS1)											Prepared & Analyzed: 12/23/2021
1,1,1,2-Tetrachloroethane	9.56		ug/L	10.0		95.6	82-126				
1,1,1-Trichloroethane	9.16		"	10.0		91.6	78-136				
1,1,2,2-Tetrachloroethane	9.54		"	10.0		95.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.01		"	10.0		80.1	54-165				
1,1,2-Trichloroethane	9.19		"	10.0		91.9	82-123				
1,1-Dichloroethane	8.38		"	10.0		83.8	82-129				
1,1-Dichloroethylene	7.65		"	10.0		76.5	68-138				
1,2,3-Trichlorobenzene	8.35		"	10.0		83.5	76-136				
1,2,3-Trichloropropane	9.37		"	10.0		93.7	77-128				
1,2,4-Trichlorobenzene	8.50		"	10.0		85.0	76-137				
1,2,4-Trimethylbenzene	9.80		"	10.0		98.0	82-132				
1,2-Dibromo-3-chloropropane	6.91		"	10.0		69.1	45-147				
1,2-Dibromoethane	9.19		"	10.0		91.9	83-124				
1,2-Dichlorobenzene	9.61		"	10.0		96.1	79-123				
1,2-Dichloroethane	8.93		"	10.0		89.3	73-132				
1,2-Dichloropropane	8.79		"	10.0		87.9	78-126				
1,3,5-Trimethylbenzene	9.93		"	10.0		99.3	80-131				
1,3-Dichlorobenzene	9.42		"	10.0		94.2	86-122				
1,3-Dichloropropane	8.69		"	10.0		86.9	81-125				
1,4-Dichlorobenzene	9.42		"	10.0		94.2	85-124				
1,4-Dioxane	550		"	210		262	10-349				
2-Butanone	10.0		"	10.0		100	49-152				
2-Hexanone	8.50		"	10.0		85.0	51-146				
4-Methyl-2-pentanone	8.33		"	10.0		83.3	57-145				
Acetone	8.81		"	10.0		88.1	14-150				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12771 - EPA 5030B											
LCS (BL12771-BS1)								Prepared & Analyzed: 12/23/2021			
Acrolein	27.8		ug/L	10.0		278	10-153	High Bias			
Acrylonitrile	9.24		"	10.0		92.4	51-150				
Benzene	9.75		"	10.0		97.5	85-126				
Bromochloromethane	8.45		"	10.0		84.5	77-128				
Bromodichloromethane	8.78		"	10.0		87.8	79-128				
Bromoform	8.97		"	10.0		89.7	78-133				
Bromomethane	0.950		"	10.0		9.50	43-168	Low Bias			
Carbon disulfide	7.68		"	10.0		76.8	68-146				
Carbon tetrachloride	9.32		"	10.0		93.2	77-141				
Chlorobenzene	9.59		"	10.0		95.9	88-120				
Chloroethane	8.00		"	10.0		80.0	65-136				
Chloroform	9.43		"	10.0		94.3	82-128				
Chloromethane	4.87		"	10.0		48.7	43-155				
cis-1,2-Dichloroethylene	8.69		"	10.0		86.9	83-129				
cis-1,3-Dichloropropylene	8.33		"	10.0		83.3	80-131				
Cyclohexane	5.78		"	10.0		57.8	63-149	Low Bias			
Dibromochloromethane	9.19		"	10.0		91.9	80-130				
Dibromomethane	8.51		"	10.0		85.1	72-134				
Dichlorodifluoromethane	4.08		"	10.0		40.8	44-144	Low Bias			
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	6.15		"	10.0		61.5	67-146	Low Bias			
Isopropylbenzene	9.74		"	10.0		97.4	76-140				
Methyl acetate	7.41		"	10.0		74.1	51-139				
Methyl tert-butyl ether (MTBE)	8.84		"	10.0		88.4	76-135				
Methylcyclohexane	8.21		"	10.0		82.1	72-143				
Methylene chloride	8.37		"	10.0		83.7	55-137				
Naphthalene	8.54		"	10.0		85.4	70-147				
n-Butylbenzene	9.49		"	10.0		94.9	79-132				
n-Propylbenzene	9.65		"	10.0		96.5	78-133				
o-Xylene	10.1		"	10.0		101	78-130				
p- & m- Xylenes	20.7		"	20.0		103	77-133				
p-Diethylbenzene	9.34		"	10.0		93.4	84-134				
p-Ethyltoluene	11.1		"	10.0		111	88-129				
p-Isopropyltoluene	9.61		"	10.0		96.1	81-136				
sec-Butylbenzene	9.81		"	10.0		98.1	79-137				
Styrene	10.1		"	10.0		101	67-132				
tert-Butyl alcohol (TBA)	53.1		"	50.0		106	25-162				
tert-Butylbenzene	7.93		"	10.0		79.3	77-138				
Tetrachloroethylene	9.47		"	10.0		94.7	82-131				
Toluene	9.52		"	10.0		95.2	80-127				
trans-1,2-Dichloroethylene	8.53		"	10.0		85.3	80-132				
trans-1,3-Dichloropropylene	8.31		"	10.0		83.1	78-131				
Trichloroethylene	8.87		"	10.0		88.7	82-128				
Trichlorofluoromethane	7.82		"	10.0		78.2	67-139				
Vinyl Chloride	7.73		"	10.0		77.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.80*		*"*	*10.0*		*98.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.76*		*"*	*10.0*		*97.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.47*		*"*	*10.0*		*94.7*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12771 - EPA 5030B											
LCS Dup (BL12771-BSD1)								Prepared & Analyzed: 12/23/2021			
1,1,1,2-Tetrachloroethane	9.61		ug/L	10.0		96.1	82-126		0.522	30	
1,1,1-Trichloroethane	8.92		"	10.0		89.2	78-136		2.65	30	
1,1,2,2-Tetrachloroethane	9.68		"	10.0		96.8	76-129		1.46	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.89		"	10.0		78.9	54-165		1.51	30	
1,1,2-Trichloroethane	9.27		"	10.0		92.7	82-123		0.867	30	
1,1-Dichloroethane	8.32		"	10.0		83.2	82-129		0.719	30	
1,1-Dichloroethylene	7.52		"	10.0		75.2	68-138		1.71	30	
1,2,3-Trichlorobenzene	8.25		"	10.0		82.5	76-136		1.20	30	
1,2,3-Trichloropropane	9.60		"	10.0		96.0	77-128		2.42	30	
1,2,4-Trichlorobenzene	8.51		"	10.0		85.1	76-137		0.118	30	
1,2,4-Trimethylbenzene	9.74		"	10.0		97.4	82-132		0.614	30	
1,2-Dibromo-3-chloropropane	8.35		"	10.0		83.5	45-147		18.9	30	
1,2-Dibromoethane	9.31		"	10.0		93.1	83-124		1.30	30	
1,2-Dichlorobenzene	9.70		"	10.0		97.0	79-123		0.932	30	
1,2-Dichloroethane	9.00		"	10.0		90.0	73-132		0.781	30	
1,2-Dichloropropane	8.80		"	10.0		88.0	78-126		0.114	30	
1,3,5-Trimethylbenzene	9.92		"	10.0		99.2	80-131		0.101	30	
1,3-Dichlorobenzene	9.35		"	10.0		93.5	86-122		0.746	30	
1,3-Dichloropropane	8.87		"	10.0		88.7	81-125		2.05	30	
1,4-Dichlorobenzene	9.40		"	10.0		94.0	85-124		0.213	30	
1,4-Dioxane	572		"	210		272	10-349		3.84	30	
2-Butanone	10.2		"	10.0		102	49-152		2.07	30	
2-Hexanone	8.89		"	10.0		88.9	51-146		4.49	30	
4-Methyl-2-pentanone	8.82		"	10.0		88.2	57-145		5.71	30	
Acetone	9.31		"	10.0		93.1	14-150		5.52	30	
Acrolein	27.5		"	10.0		275	10-153	High Bias	1.01	30	
Acrylonitrile	9.43		"	10.0		94.3	51-150		2.04	30	
Benzene	9.67		"	10.0		96.7	85-126		0.824	30	
Bromochloromethane	8.53		"	10.0		85.3	77-128		0.942	30	
Bromodichloromethane	8.80		"	10.0		88.0	79-128		0.228	30	
Bromoform	9.16		"	10.0		91.6	78-133		2.10	30	
Bromomethane	1.29		"	10.0		12.9	43-168	Low Bias	30.4	30	Non-dir.
Carbon disulfide	7.64		"	10.0		76.4	68-146		0.522	30	
Carbon tetrachloride	9.12		"	10.0		91.2	77-141		2.17	30	
Chlorobenzene	9.54		"	10.0		95.4	88-120		0.523	30	
Chloroethane	7.77		"	10.0		77.7	65-136		2.92	30	
Chloroform	9.37		"	10.0		93.7	82-128		0.638	30	
Chloromethane	4.78		"	10.0		47.8	43-155		1.87	30	
cis-1,2-Dichloroethylene	8.69		"	10.0		86.9	83-129		0.00	30	
cis-1,3-Dichloropropylene	8.43		"	10.0		84.3	80-131		1.19	30	
Cyclohexane	5.79		"	10.0		57.9	63-149	Low Bias	0.173	30	
Dibromochloromethane	9.30		"	10.0		93.0	80-130		1.19	30	
Dibromomethane	8.77		"	10.0		87.7	72-134		3.01	30	
Dichlorodifluoromethane	3.89		"	10.0		38.9	44-144	Low Bias	4.77	30	
Ethyl Benzene	10.1		"	10.0		101	80-131		1.18	30	
Hexachlorobutadiene	5.85		"	10.0		58.5	67-146	Low Bias	5.00	30	
Isopropylbenzene	9.69		"	10.0		96.9	76-140		0.515	30	
Methyl acetate	7.96		"	10.0		79.6	51-139		7.16	30	
Methyl tert-butyl ether (MTBE)	9.03		"	10.0		90.3	76-135		2.13	30	
Methylcyclohexane	8.05		"	10.0		80.5	72-143		1.97	30	
Methylene chloride	8.14		"	10.0		81.4	55-137		2.79	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12771 - EPA 5030B											
LCS Dup (BL12771-BSD1)								Prepared & Analyzed: 12/23/2021			
Naphthalene	8.71		ug/L	10.0		87.1	70-147		1.97	30	
n-Butylbenzene	9.13		"	10.0		91.3	79-132		3.87	30	
n-Propylbenzene	9.59		"	10.0		95.9	78-133		0.624	30	
o-Xylene	9.95		"	10.0		99.5	78-130		1.10	30	
p- & m- Xylenes	20.5		"	20.0		103	77-133		0.777	30	
p-Diethylbenzene	9.24		"	10.0		92.4	84-134		1.08	30	
p-Ethyltoluene	11.1		"	10.0		111	88-129		0.271	30	
p-Isopropyltoluene	9.56		"	10.0		95.6	81-136		0.522	30	
sec-Butylbenzene	9.71		"	10.0		97.1	79-137		1.02	30	
Styrene	10.1		"	10.0		101	67-132		0.0993	30	
tert-Butyl alcohol (TBA)	51.6		"	50.0		103	25-162		2.86	30	
tert-Butylbenzene	7.88		"	10.0		78.8	77-138		0.633	30	
Tetrachloroethylene	9.41		"	10.0		94.1	82-131		0.636	30	
Toluene	9.43		"	10.0		94.3	80-127		0.950	30	
trans-1,2-Dichloroethylene	8.53		"	10.0		85.3	80-132		0.00	30	
trans-1,3-Dichloropropylene	8.45		"	10.0		84.5	78-131		1.67	30	
Trichloroethylene	8.77		"	10.0		87.7	82-128		1.13	30	
Trichlorofluoromethane	7.68		"	10.0		76.8	67-139		1.81	30	
Vinyl Chloride	7.56		"	10.0		75.6	58-145		2.22	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.77*		*"*	*10.0*		*97.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.78*		*"*	*10.0*		*97.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.51*		*"*	*10.0*		*95.1*	*79-122*				
Matrix Spike (BL12771-MS1)	*Source sample: 21L1300-02 (MW004)							Prepared: 12/23/2021 Analyzed: 12/24/2021			
1,1,1,2-Tetrachloroethane	9.75		ug/L	10.0	0.00	97.5	45-161				
1,1,1-Trichloroethane	10.5		"	10.0	0.00	105	70-146				
1,1,2,2-Tetrachloroethane	10.0		"	10.0	0.00	100	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.52		"	10.0	0.00	95.2	21-217				
1,1,2-Trichloroethane	8.97		"	10.0	0.00	89.7	59-146				
1,1-Dichloroethane	8.73		"	10.0	0.00	87.3	54-146				
1,1-Dichloroethylene	8.49		"	10.0	0.00	84.9	44-165				
1,2,3-Trichlorobenzene	7.98		"	10.0	0.00	79.8	40-161				
1,2,3-Trichloropropane	9.74		"	10.0	0.00	97.4	74-127				
1,2,4-Trichlorobenzene	8.35		"	10.0	0.00	83.5	41-161				
1,2,4-Trimethylbenzene	9.66		"	10.0	0.00	96.6	72-129				
1,2-Dibromo-3-chloropropane	7.75		"	10.0	0.00	77.5	31-151				
1,2-Dibromoethane	9.05		"	10.0	0.00	90.5	75-125				
1,2-Dichlorobenzene	9.53		"	10.0	0.00	95.3	63-122				
1,2-Dichloroethane	9.15		"	10.0	0.00	91.5	68-131				
1,2-Dichloropropane	8.25		"	10.0	0.00	82.5	77-121				
1,3,5-Trimethylbenzene	10.0		"	10.0	0.00	100	69-126				
1,3-Dichlorobenzene	9.39		"	10.0	0.00	93.9	74-119				
1,3-Dichloropropane	8.40		"	10.0	0.00	84.0	77-119				
1,4-Dichlorobenzene	9.50		"	10.0	0.00	95.0	70-124				
1,4-Dioxane	560		"	210	0.00	267	10-310				
2-Butanone	9.44		"	10.0	0.00	94.4	10-193				
2-Hexanone	7.62		"	10.0	0.00	76.2	53-133				
4-Methyl-2-pentanone	7.35		"	10.0	0.00	73.5	38-150				
Acetone	9.54		"	10.0	0.00	95.4	13-149				
Acrolein	23.3		"	10.0	0.00	233	10-195	High Bias			
Acrylonitrile	8.12		"	10.0	0.00	81.2	37-165				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12771 - EPA 5030B											
Matrix Spike (BL12771-MS1)	*Source sample: 21L1300-02 (MW004)							Prepared: 12/23/2021 Analyzed: 12/24/2021			
Benzene	10.2		ug/L	10.0	0.00	102	38-155				
Bromochloromethane	8.39		"	10.0	0.00	83.9	75-121				
Bromodichloromethane	8.58		"	10.0	0.00	85.8	70-129				
Bromoform	8.95		"	10.0	0.00	89.5	66-136				
Bromomethane	1.36		"	10.0	0.00	13.6	30-158	Low Bias			
Carbon disulfide	8.41		"	10.0	0.00	84.1	10-138				
Carbon tetrachloride	11.0		"	10.0	0.00	110	71-146				
Chlorobenzene	9.75		"	10.0	0.00	97.5	81-117				
Chloroethane	10.6		"	10.0	0.00	106	51-145				
Chloroform	10.1		"	10.0	0.00	101	80-124				
Chloromethane	4.75		"	10.0	0.00	47.5	16-163				
cis-1,2-Dichloroethylene	9.39		"	10.0	0.660	87.3	76-125				
cis-1,3-Dichloropropylene	7.63		"	10.0	0.00	76.3	58-131				
Cyclohexane	6.18		"	10.0	0.00	61.8	70-130	Low Bias			
Dibromochloromethane	9.14		"	10.0	0.00	91.4	71-129				
Dibromomethane	8.51		"	10.0	0.00	85.1	76-120				
Dichlorodifluoromethane	5.05		"	10.0	0.00	50.5	30-147				
Ethyl Benzene	10.4		"	10.0	0.00	104	72-128				
Hexachlorobutadiene	6.49		"	10.0	0.00	64.9	34-166				
Isopropylbenzene	9.03		"	10.0	0.00	90.3	66-139				
Methyl acetate	5.55		"	10.0	0.00	55.5	10-200				
Methyl tert-butyl ether (MTBE)	9.00		"	10.0	0.00	90.0	75-128				
Methylcyclohexane	8.15		"	10.0	0.00	81.5	70-130				
Methylene chloride	8.34		"	10.0	0.700	76.4	57-128				
Naphthalene	8.19		"	10.0	0.00	81.9	39-158				
n-Butylbenzene	9.23		"	10.0	0.00	92.3	61-138				
n-Propylbenzene	9.89		"	10.0	0.00	98.9	66-134				
o-Xylene	10.1		"	10.0	0.00	101	69-126				
p- & m- Xylenes	21.1		"	20.0	0.00	105	67-130				
p-Diethylbenzene	8.96		"	10.0	0.00	89.6	52-150				
p-Ethyltoluene	11.3		"	10.0	0.00	113	76-127				
p-Isopropyltoluene	9.37		"	10.0	0.00	93.7	64-137				
sec-Butylbenzene	9.52		"	10.0	0.00	95.2	53-155				
Styrene	10.0		"	10.0	0.00	100	69-125				
tert-Butyl alcohol (TBA)	53.3		"	50.0	0.00	107	10-130				
tert-Butylbenzene	7.92		"	10.0	0.00	79.2	65-139				
Tetrachloroethylene	11.1		"	10.0	0.670	105	64-139				
Toluene	9.59		"	10.0	0.00	95.9	76-123				
trans-1,2-Dichloroethylene	9.20		"	10.0	0.00	92.0	79-131				
trans-1,3-Dichloropropylene	7.65		"	10.0	0.00	76.5	55-130				
Trichloroethylene	9.98		"	10.0	0.830	91.5	53-145				
Trichlorofluoromethane	9.61		"	10.0	0.00	96.1	61-142				
Vinyl Chloride	10.0		"	10.0	0.00	100	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.49*		*"*	*10.0*		*94.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*8.46*		*"*	*10.0*		*84.6*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12771 - EPA 5030B											
Matrix Spike Dup (BL12771-MSD1)	*Source sample: 21L1300-02 (MW004)								Prepared: 12/23/2021 Analyzed: 12/24/2021		
1,1,1,2-Tetrachloroethane	9.51		ug/L	10.0	0.00	95.1	45-161		2.49	30	
1,1,1-Trichloroethane	10.0		"	10.0	0.00	100	70-146		4.38	30	
1,1,2,2-Tetrachloroethane	9.92		"	10.0	0.00	99.2	74-121		1.20	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.10		"	10.0	0.00	91.0	21-217		4.51	30	
1,1,2-Trichloroethane	8.86		"	10.0	0.00	88.6	59-146		1.23	30	
1,1-Dichloroethane	8.42		"	10.0	0.00	84.2	54-146		3.62	30	
1,1-Dichloroethylene	8.26		"	10.0	0.00	82.6	44-165		2.75	30	
1,2,3-Trichlorobenzene	7.95		"	10.0	0.00	79.5	40-161		0.377	30	
1,2,3-Trichloropropane	9.62		"	10.0	0.00	96.2	74-127		1.24	30	
1,2,4-Trichlorobenzene	8.26		"	10.0	0.00	82.6	41-161		1.08	30	
1,2,4-Trimethylbenzene	9.43		"	10.0	0.00	94.3	72-129		2.41	30	
1,2-Dibromo-3-chloropropane	7.61		"	10.0	0.00	76.1	31-151		1.82	30	
1,2-Dibromoethane	8.93		"	10.0	0.00	89.3	75-125		1.33	30	
1,2-Dichlorobenzene	9.32		"	10.0	0.00	93.2	63-122		2.23	30	
1,2-Dichloroethane	9.12		"	10.0	0.00	91.2	68-131		0.328	30	
1,2-Dichloropropane	8.28		"	10.0	0.00	82.8	77-121		0.363	30	
1,3,5-Trimethylbenzene	9.76		"	10.0	0.00	97.6	69-126		2.53	30	
1,3-Dichlorobenzene	9.21		"	10.0	0.00	92.1	74-119		1.94	30	
1,3-Dichloropropane	8.36		"	10.0	0.00	83.6	77-119		0.477	30	
1,4-Dichlorobenzene	9.25		"	10.0	0.00	92.5	70-124		2.67	30	
1,4-Dioxane	461		"	210	0.00	219	10-310		19.4	30	
2-Butanone	9.79		"	10.0	0.00	97.9	10-193		3.64	30	
2-Hexanone	7.82		"	10.0	0.00	78.2	53-133		2.59	30	
4-Methyl-2-pentanone	7.69		"	10.0	0.00	76.9	38-150		4.52	30	
Acetone	9.34		"	10.0	0.00	93.4	13-149		2.12	30	
Acrolein	23.1		"	10.0	0.00	231	10-195	High Bias	0.646	30	
Acrylonitrile	8.36		"	10.0	0.00	83.6	37-165		2.91	30	
Benzene	9.88		"	10.0	0.00	98.8	38-155		3.09	30	
Bromochloromethane	8.27		"	10.0	0.00	82.7	75-121		1.44	30	
Bromodichloromethane	8.45		"	10.0	0.00	84.5	70-129		1.53	30	
Bromoform	8.70		"	10.0	0.00	87.0	66-136		2.83	30	
Bromomethane	1.64		"	10.0	0.00	16.4	30-158	Low Bias	18.7	30	
Carbon disulfide	8.16		"	10.0	0.00	81.6	10-138		3.02	30	
Carbon tetrachloride	10.4		"	10.0	0.00	104	71-146		5.79	30	
Chlorobenzene	9.53		"	10.0	0.00	95.3	81-117		2.28	30	
Chloroethane	8.15		"	10.0	0.00	81.5	51-145		25.9	30	
Chloroform	9.70		"	10.0	0.00	97.0	80-124		4.04	30	
Chloromethane	5.05		"	10.0	0.00	50.5	16-163		6.12	30	
cis-1,2-Dichloroethylene	9.13		"	10.0	0.660	84.7	76-125		2.81	30	
cis-1,3-Dichloropropylene	7.61		"	10.0	0.00	76.1	58-131		0.262	30	
Cyclohexane	6.14		"	10.0	0.00	61.4	70-130	Low Bias	0.649	30	
Dibromochloromethane	9.01		"	10.0	0.00	90.1	71-129		1.43	30	
Dibromomethane	8.43		"	10.0	0.00	84.3	76-120		0.945	30	
Dichlorodifluoromethane	4.80		"	10.0	0.00	48.0	30-147		5.08	30	
Ethyl Benzene	10.2		"	10.0	0.00	102	72-128		2.33	30	
Hexachlorobutadiene	6.35		"	10.0	0.00	63.5	34-166		2.18	30	
Isopropylbenzene	8.97		"	10.0	0.00	89.7	66-139		0.667	30	
Methyl acetate	5.32		"	10.0	0.00	53.2	10-200		4.23	30	
Methyl tert-butyl ether (MTBE)	8.74		"	10.0	0.00	87.4	75-128		2.93	30	
Methylcyclohexane	8.04		"	10.0	0.00	80.4	70-130		1.36	30	
Methylene chloride	8.32		"	10.0	0.700	76.2	57-128		0.240	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12771 - EPA 5030B											
Matrix Spike Dup (BL12771-MSD1)	*Source sample: 21L1300-02 (MW004)								Prepared: 12/23/2021 Analyzed: 12/24/2021		
Naphthalene	8.31		ug/L	10.0	0.00	83.1	39-158		1.45	30	
n-Butylbenzene	8.84		"	10.0	0.00	88.4	61-138		4.32	30	
n-Propylbenzene	9.75		"	10.0	0.00	97.5	66-134		1.43	30	
o-Xylene	9.82		"	10.0	0.00	98.2	69-126		3.21	30	
p- & m- Xylenes	20.5		"	20.0	0.00	103	67-130		2.64	30	
p-Diethylbenzene	8.76		"	10.0	0.00	87.6	52-150		2.26	30	
p-Ethyltoluene	10.9		"	10.0	0.00	109	76-127		3.33	30	
p-Isopropyltoluene	9.15		"	10.0	0.00	91.5	64-137		2.38	30	
sec-Butylbenzene	9.36		"	10.0	0.00	93.6	53-155		1.69	30	
Styrene	9.70		"	10.0	0.00	97.0	69-125		3.44	30	
tert-Butyl alcohol (TBA)	54.9		"	50.0	0.00	110	10-130		2.92	30	
tert-Butylbenzene	7.74		"	10.0	0.00	77.4	65-139		2.30	30	
Tetrachloroethylene	10.7		"	10.0	0.670	100	64-139		3.75	30	
Toluene	9.40		"	10.0	0.00	94.0	76-123		2.00	30	
trans-1,2-Dichloroethylene	8.93		"	10.0	0.00	89.3	79-131		2.98	30	
trans-1,3-Dichloropropylene	7.51		"	10.0	0.00	75.1	55-130		1.85	30	
Trichloroethylene	9.79		"	10.0	0.830	89.6	53-145		1.92	30	
Trichlorofluoromethane	9.16		"	10.0	0.00	91.6	61-142		4.79	30	
Vinyl Chloride	10.4		"	10.0	0.00	104	31-165		3.04	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.97*		*"*	*10.0*		*99.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.67*		*"*	*10.0*		*96.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*8.76*		*"*	*10.0*		*87.6*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21L1300-01	MW006	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-02	MW004	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-03	MW005	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-04	MW001	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-05	MW009	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-06	MW009D	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-07	EB001	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-08	DUP001	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-09	TB001	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-10	FB001	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-11	MW002	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-12	MW010	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-13	MW007	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-14	MW008D	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L1300-15	MW008	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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Field Chain-of-Custody Record

YORK Project No. 211300

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YOUR Information	Report To:	Invoice To:
Company: PWGC	Company:	Company:
Address: 630 Johnson Ave, St. 7, Bohemia, NY 11716	Address: same	Address: same
Phone.: (631) 589-6353	Phone.:	Phone.:
Contact: Ryan Morley	Contact:	Contact:
E-mail: ryanm@pwgrosser.com	E-mail:	E-mail:

YOUR Project Number: PEN2101

YOUR Project Name: 1 Shore Rd, Glenwood Landing

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Jay Usmanov

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW006	GW	12/21/21 09:40	VOCs	
MW004		11:15		MS, MSD
MW005		12:35		
MW001		13:40		
MW008		15:50		
MW009D		15:00		
EB001		13:00		
DUP001		—		
TB001		—	VOCs	
FB001	GW	12/22/21 12:20		

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company
PWGC	12/22/21 12:45	
		Samples Relinquished by / Company:
	Date/Time: 12/22/21 12:45	
Samples Received by / Company	Date/Time	Samples Relinquished by / Company
		Samples Received by / Company
	Date/Time	
Samples Relinquished by / Company	Date/Time	Samples Received by / Company
		Samples Received in LAB by: York
	Date/Time	12/23/21 10:40

Temp. Received at Lab: 2.6 Degrees C

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

YORK Project No. 21L1300

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YOUR Information	Report To:	Invoice To:
Company: PWGC	Company:	Company:
Address: 630 Johnson Ave St. 7, Bohemia, NY 11716	Address: same	Address: same
Phone.: (631) 589-6353	Phone.:	Phone.:
Contact: Ryan Morley	Contact:	Contact:
E-mail: ryan.m@pwgrasser.com	E-mail:	E-mail:

YOUR Project Number: PEN2101

YOUR Project Name: 1 Shore Rd. Greenwood Lake

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Joey Usmanov

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
Summary Report
QA Report
NY ASP A Package
NY ASP B Package
CT RCP
CT RCP DQA/DUE
NJDEP Reduced Deliverables
NJDKQP
Standard Excel EDD
EQuIS (Standard)
NYSDEC EQuIS
NJDEP SRP HazSite
Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW 007	GW	12/22/21 0900	VOCs	
MW010		1005		
MW007		1055		
MW008D		1155		
MW008				

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
PWGC	12/22/21 12:45	G.L.S.	12/22/21 12:45	G.L.S.	
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				Tyson	12/23/21 10:40

Temp. Received at Lab: 2.6 Degrees C

Technical Report

prepared for:

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia NY, 11716
Attention: Ryan Morley

Report Date: 01/03/2022
Client Project ID: PEN2101 1 Shore Rd, Glenwood Landing
York Project (SDG) No.: 21L1313

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 01/03/2022
Client Project ID: PEN2101 1 Shore Rd, Glenwood Landing
York Project (SDG) No.: 21L1313

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia NY, 11716
Attention: Ryan Morley

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 22, 2021 and listed below. The project was identified as your project: **PEN2101 1 Shore Rd, Glenwood Landing**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L1313-01	SW01	Soil Vapor	12/21/2021	12/22/2021
21L1313-02	IA001	Indoor Ambient Air	12/21/2021	12/22/2021
21L1313-03	SW02	Soil Vapor	12/21/2021	12/22/2021
21L1313-04	IA002	Indoor Ambient Air	12/21/2021	12/22/2021
21L1313-05	SW03	Soil Vapor	12/21/2021	12/22/2021
21L1313-06	IA003	Indoor Ambient Air	12/21/2021	12/22/2021
21L1313-07	SW04	Soil Vapor	12/21/2021	12/22/2021
21L1313-08	IA004	Indoor Ambient Air	12/21/2021	12/22/2021
21L1313-09	SW05	Soil Vapor	12/21/2021	12/22/2021
21L1313-10	IA005	Indoor Ambient Air	12/21/2021	12/22/2021
21L1313-11	OA001	Outdoor Ambient Ai	12/21/2021	12/22/2021

General Notes for York Project (SDG) No.: 21L1313

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 01/03/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SW01 **York Sample ID:** 21L1313-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 11:30 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.24	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.984	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.24	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**17.7**		ug/m³	1.38	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.984	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.730	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.357	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.34	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**0.975**		ug/m³	0.886	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.39	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.08	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.730	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.833	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.26	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.886	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	1.20	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.08	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.833	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.08	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.30	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**1.60**		ug/m³	0.532	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SW01**

York Sample ID: **21L1313-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 11:30 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	1.48	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.82	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.739	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**11.4**		ug/m³	0.857	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.391	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	0.576	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.933	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	1.21	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.86	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.700	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.561	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.340**		ug/m³	0.284	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.830	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.476	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.880	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**0.894**		ug/m³	0.372	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.357	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.818	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**2.85**		ug/m³	0.621	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.54	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.41**		ug/m³	0.892	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	1.30	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:			

Sample Information

Client Sample ID: SW01 **York Sample ID:** 21L1313-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 11:30 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m³	0.783	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.92	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**2.53**		ug/m³	0.886	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.738	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.650	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**51.5**		ug/m³	1.25	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**1.11**		ug/m³	0.739	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**1.33**		ug/m³	0.636	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**0.861**		ug/m³	0.783	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**1.72**		ug/m³	1.57	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**1.15**		ug/m³	0.886	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.310	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.768	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**6.97**		ug/m³	1.22	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.06	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:			
108-88-3	**Toluene**	**1.49**		ug/m³	0.679	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.715	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.818	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**0.775**		ug/m³	0.242	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.42**		ug/m³	1.01	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.635	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.789	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW01 **York Sample ID:** 21L1313-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 11:30 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.230	1.803	EPA TO-15	12/30/2021 23:00	12/31/2021 03:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA001 **York Sample ID:** 21L1313-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:28 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.571	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.454	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.571	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**0.829**		ug/m³	0.638	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.454	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.337	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.165	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.617	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**0.491**		ug/m³	0.409	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.639	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.500	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.337	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.384	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.582	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.409	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.552	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.500	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.384	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.500	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	0.600	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**2.01**		ug/m³	0.245	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	0.682	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:			

Sample Information

Client Sample ID: IA001 **York Sample ID:** 21L1313-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:28 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.30	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.341	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**14.4**		ug/m³	0.395	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.181	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**0.718**		ug/m³	0.266	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.431	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.557	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	0.860	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.323	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.259	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.419**		ug/m³	0.131	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.383	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.220	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.406	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.39**		ug/m³	0.172	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.165	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.378	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**0.344**		ug/m³	0.286	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	0.709	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.30**		ug/m³	0.411	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**0.959**		ug/m³	0.600	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.759**		ug/m³	0.361	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA001 **York Sample ID:** 21L1313-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:28 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.887	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**2.15**		ug/m³	0.409	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	**Methyl Methacrylate**	**0.375**		ug/m³	0.341	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.300	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**101**		ug/m³	0.578	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**0.887**		ug/m³	0.341	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.645**		ug/m³	0.293	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**1.19**		ug/m³	0.361	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**3.29**		ug/m³	0.722	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.409	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.143	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:			
100-42-5	**Styrene**	**1.24**		ug/m³	0.354	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**0.621**		ug/m³	0.564	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	*** Tetrahydrofuran**	**1.30**		ug/m³	0.491	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:			
108-88-3	**Toluene**	**2.57**		ug/m³	0.314	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.330	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.378	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.112	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.36**		ug/m³	0.467	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.293	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.364	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.106	0.832	EPA TO-15	12/29/2021 21:00	12/30/2021 15:28	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID:	IA001	York Sample ID:	21L1313-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:28 am	12/22/2021

Sample Information

Client Sample ID: **SW02** **York Sample ID:** **21L1313-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 10:08 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.14	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**1.17**		ug/m³	0.903	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.14	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**17.5**		ug/m³	1.27	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.903	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.670	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.328	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.23	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**1.22**		ug/m³	0.814	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.27	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.995	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.670	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.765	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.16	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.814	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	1.10	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.995	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.765	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.995	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.19	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**7.37**		ug/m³	0.488	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	1.36	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:			

Sample Information

Client Sample ID: **SW02** **York Sample ID:** **21L1313-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 10:08 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.59	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-10-1	**4-Methyl-2-pentanone**	**0.678**		ug/m³	0.678	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**46.8**		ug/m³	0.786	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.359	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	0.529	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.857	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	1.11	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	1.71	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.643	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.515	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.416**		ug/m³	0.260	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.762	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.437	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.808	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**0.581**		ug/m³	0.342	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.328	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.751	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**1.14**		ug/m³	0.570	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	1.41	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.37**		ug/m³	0.818	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	1.19	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**8.48**		ug/m³	0.719	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SW02 **York Sample ID:** 21L1313-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 10:08 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.77	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**7.93**		ug/m³	0.814	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	**Methyl Methacrylate**	**4.81**		ug/m³	0.678	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.597	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**479**		ug/m³	11.5	16.55	EPA TO-15	12/29/2021 21:00	12/30/2021 11:29	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**1.76**		ug/m³	0.678	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**0.817**		ug/m³	0.583	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**10.3**		ug/m³	0.719	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**38.7**		ug/m³	1.44	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**1.38**		ug/m³	0.814	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.285	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:			
100-42-5	**Styrene**	**2.89**		ug/m³	0.705	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**141**		ug/m³	1.12	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**1.51**		ug/m³	0.976	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications:			
108-88-3	**Toluene**	**7.05**		ug/m³	0.624	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.656	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.751	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**12.1**		ug/m³	0.222	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.05**		ug/m³	0.930	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.583	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.724	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.212	1.655	EPA TO-15	12/30/2021 23:00	12/31/2021 04:54	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **SW02** **York Sample ID:** **21L1313-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 10:08 am	12/22/2021

Sample Information

Client Sample ID: IA002 **York Sample ID:** 21L1313-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 9:57 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.505	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.402	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.505	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**0.790**		ug/m³	0.564	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.402	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.298	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.146	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.546	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**0.434**		ug/m³	0.362	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.566	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.443	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.298	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.340	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.515	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.362	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.488	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.443	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.340	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.443	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	0.530	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**1.63**		ug/m³	0.217	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	0.603	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:			

Sample Information

Client Sample ID: IA002 **York Sample ID:** 21L1313-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 9:57 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.15	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.302	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**14.4**		ug/m³	0.350	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.160	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**0.705**		ug/m³	0.235	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.381	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.493	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	0.761	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.286	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.229	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.463**		ug/m³	0.116	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.339	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.194	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.359	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**1.41**		ug/m³	0.152	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.146	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.334	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**0.380**		ug/m³	0.253	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	0.627	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.40**		ug/m³	0.364	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	*** Ethyl acetate**	**1.22**		ug/m³	0.530	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.863**		ug/m³	0.320	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA002 **York Sample ID:** 21L1313-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 9:57 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.785	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**3.00**		ug/m³	0.362	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	**Methyl Methacrylate**	**0.422**		ug/m³	0.301	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.265	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**23.3**		ug/m³	0.511	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**0.483**		ug/m³	0.302	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.778**		ug/m³	0.259	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**1.21**		ug/m³	0.320	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**3.42**		ug/m³	0.639	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**0.398**		ug/m³	0.362	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.127	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:			
100-42-5	**Styrene**	**1.47**		ug/m³	0.314	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**0.948**		ug/m³	0.499	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	*** Tetrahydrofuran**	**1.50**		ug/m³	0.434	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:			
108-88-3	**Toluene**	**3.13**		ug/m³	0.277	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.292	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.334	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.0989	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.41**		ug/m³	0.414	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.259	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.322	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.0941	0.736	EPA TO-15	12/29/2021 21:00	12/30/2021 16:38	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **IA002** **York Sample ID:** **21L1313-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 9:57 am	12/22/2021

Sample Information

Client Sample ID: **SW03** **York Sample ID:** **21L1313-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 11:45 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.37	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**4.89**		ug/m³	1.88	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.37	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**6.60**		ug/m³	2.64	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.88	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.39	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.683	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.56	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**2.88**		ug/m³	1.69	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.65	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.07	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.39	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.59	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.41	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.69	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	2.29	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.07	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.59	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	2.07	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	2.48	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**2.34**		ug/m³	1.02	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	2.82	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:			

Sample Information

Client Sample ID: **SW03** **York Sample ID:** **21L1313-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 11:45 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	5.39	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.41	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**12.3**		ug/m³	1.64	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.748	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	1.10	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	1.78	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	2.31	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	3.56	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	1.34	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	1.07	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.542	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	1.59	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.909	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	1.68	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	0.712	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.683	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.56	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	1.19	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	2.94	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.39**		ug/m³	1.70	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	2.48	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**39.5**		ug/m³	1.50	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW03 **York Sample ID:** 21L1313-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 11:45 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.68	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**4.66**		ug/m³	1.69	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	1.41	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.24	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**11.5**		ug/m³	2.39	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**22.5**		ug/m³	1.41	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	n-Hexane	ND		ug/m³	1.21	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**58.1**		ug/m³	1.50	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**140**		ug/m³	2.99	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**5.25**		ug/m³	1.69	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.593	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:			
100-42-5	**Styrene**	**7.49**		ug/m³	1.47	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**628**		ug/m³	2.34	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	2.03	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:			
108-88-3	**Toluene**	**232**		ug/m³	1.30	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.37	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.56	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**2.78**		ug/m³	0.463	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.71**		ug/m³	1.94	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	1.21	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	1.51	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.440	3.446	EPA TO-15	12/30/2021 23:00	12/31/2021 05:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SW03** **York Sample ID:** **21L1313-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 11:45 am	12/22/2021

Sample Information

Client Sample ID: **IA003** **York Sample ID:** **21L1313-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:41 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.595	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.473	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.595	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.664	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.473	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.351	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.172	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.643	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**1.75**		ug/m³	0.426	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.665	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.521	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.350	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.400	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.605	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	**1,3,5-Trimethylbenzene**	**0.596**		ug/m³	0.426	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.575	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.521	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.400	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.521	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	0.624	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**23.0**		ug/m³	0.255	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	0.710	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:			

Sample Information

Client Sample ID: IA003 **York Sample ID:** 21L1313-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:41 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.36	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	**4-Methyl-2-pentanone**	**4.72**		ug/m³	0.355	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**182**		ug/m³	1.54	3.25	EPA TO-15	12/30/2021 23:00	12/31/2021 08:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.188	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**0.968**		ug/m³	0.277	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.448	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.580	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	0.895	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.336	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.270	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.490**		ug/m³	0.136	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.399	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.228	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.423	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.43**		ug/m³	0.179	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.172	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.393	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**16.9**		ug/m³	0.298	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	0.738	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.31**		ug/m³	0.428	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**13.5**		ug/m³	0.624	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**6.99**		ug/m³	0.376	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA003 **York Sample ID:** 21L1313-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:41 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.924	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**8.54**		ug/m³	0.426	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.355	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.312	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**1.83**		ug/m³	0.602	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**7.52**		ug/m³	0.355	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**3.14**		ug/m³	0.305	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**6.81**		ug/m³	0.376	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**26.9**		ug/m³	0.752	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**2.13**		ug/m³	0.426	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.149	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:			
100-42-5	**Styrene**	**1.81**		ug/m³	0.369	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**1.12**		ug/m³	0.587	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.511	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:			
108-88-3	**Toluene**	**113**		ug/m³	0.326	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.343	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.393	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.116	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.31**		ug/m³	0.487	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.305	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.379	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.111	0.866	EPA TO-15	12/29/2021 21:00	12/30/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **IA003** **York Sample ID:** **21L1313-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:41 am	12/22/2021

Sample Information

Client Sample ID: SW04 **York Sample ID:** 21L1313-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 3:10 pm	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.07	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**14.4**		ug/m³	1.64	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.07	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**163**		ug/m³	2.31	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.64	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.22	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.596	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.23	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**2.37**		ug/m³	1.48	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.31	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.81	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.22	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.39	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.10	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.48	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	**1,3-Butadiene**	**5.32**		ug/m³	2.00	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.81	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.39	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.81	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	2.17	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**7.45**		ug/m³	0.887	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	2.46	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:			

Sample Information

Client Sample ID: SW04 **York Sample ID:** 21L1313-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 3:10 pm	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	4.71	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-10-1	**4-Methyl-2-pentanone**	**4.81**		ug/m³	1.23	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**279**		ug/m³	1.43	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.653	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**8.65**		ug/m³	0.961	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	1.56	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	2.02	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	3.11	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	1.17	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	**Carbon disulfide**	**0.937**		ug/m³	0.937	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	0.473	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	1.38	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.794	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	**Chloroform**	**3.23**		ug/m³	1.47	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	0.621	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.596	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.37	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**1.04**		ug/m³	1.04	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	2.56	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.38**		ug/m³	1.49	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	2.17	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**1.57**		ug/m³	1.31	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SW04 **York Sample ID:** 21L1313-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 3:10 pm	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.21	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**14.0**		ug/m³	1.48	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	1.23	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.08	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**43.4**		ug/m³	2.09	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**7.52**		ug/m³	1.23	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**5.09**		ug/m³	1.06	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**2.48**		ug/m³	1.31	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**5.22**		ug/m³	2.61	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**2.96**		ug/m³	1.48	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:			
115-07-1	*** Propylene**	**21.2**		ug/m³	0.518	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	1.28	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**628**		ug/m³	2.04	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.77	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications:			
108-88-3	**Toluene**	**17.5**		ug/m³	1.13	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.19	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.37	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**126**		ug/m³	0.404	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.03**		ug/m³	1.69	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	1.06	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	1.32	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.384	3.008	EPA TO-15	12/30/2021 23:00	12/31/2021 06:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **SW04** **York Sample ID:** **21L1313-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 3:10 pm	12/22/2021

Sample Information

Client Sample ID: IA004 **York Sample ID:** 21L1313-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:51 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.522	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.415	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.522	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**0.933**		ug/m³	0.583	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.415	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.308	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.151	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.565	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.374	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.585	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.458	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.308	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.352	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.532	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.374	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.505	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.458	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.352	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.458	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	0.548	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**1.30**		ug/m³	0.224	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	0.623	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:			

Sample Information

Client Sample ID: IA004 **York Sample ID:** 21L1313-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:51 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.19	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.312	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**7.72**		ug/m³	0.362	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.165	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**1.41**		ug/m³	0.243	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.394	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.510	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	0.787	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.295	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.237	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.479**		ug/m³	0.120	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.350	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.201	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.372	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.38**		ug/m³	0.157	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.151	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.345	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	0.262	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	0.648	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.41**		ug/m³	0.376	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	*** Ethyl acetate**	**1.01**		ug/m³	0.548	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**1.09**		ug/m³	0.330	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA004 **York Sample ID:** 21L1313-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:51 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.812	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**2.15**		ug/m³	0.374	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	**Methyl Methacrylate**	**0.654**		ug/m³	0.312	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.274	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**12.4**		ug/m³	0.529	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**0.437**		ug/m³	0.312	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.590**		ug/m³	0.268	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**1.55**		ug/m³	0.330	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**4.69**		ug/m³	0.661	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.374	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.131	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:			
100-42-5	**Styrene**	**3.34**		ug/m³	0.324	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**0.568**		ug/m³	0.516	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.449	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:			
108-88-3	**Toluene**	**2.01**		ug/m³	0.287	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.302	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.345	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.102	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.33**		ug/m³	0.428	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.268	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.333	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.0973	0.761	EPA TO-15	12/29/2021 21:00	12/30/2021 18:59	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **IA004** **York Sample ID:** **21L1313-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 11:51 am	12/22/2021

Sample Information

Client Sample ID: **SW05** **York Sample ID:** **21L1313-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 10:34 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.14	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.904	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.14	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.27	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.904	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.671	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.328	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.23	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**1.14**		ug/m³	0.815	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.27	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.996	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.671	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.766	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.16	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.815	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	1.10	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.996	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.766	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.996	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.19	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**1.76**		ug/m³	0.489	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	1.36	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:			

Sample Information

Client Sample ID: **SW05** **York Sample ID:** **21L1313-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 10:34 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.59	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.679	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**8.11**		ug/m³	0.787	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.360	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	Benzene	ND		ug/m³	0.529	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.858	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	1.11	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.71	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.643	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.516	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.313**		ug/m³	0.261	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.763	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.437	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.809	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	0.342	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.328	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.752	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	0.570	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.41	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.29**		ug/m³	0.819	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	1.19	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.720	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SW05 **York Sample ID:** 21L1313-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 10:34 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.77	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**9.29**		ug/m³	0.815	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.678	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.597	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**1.78**		ug/m³	1.15	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**1.70**		ug/m³	0.679	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	n-Hexane	ND		ug/m³	0.584	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**0.719**		ug/m³	0.719	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.44	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**1.55**		ug/m³	0.815	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.285	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.706	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**124**		ug/m³	1.12	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.977	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:			
108-88-3	**Toluene**	**1.06**		ug/m³	0.624	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.657	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.752	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**0.801**		ug/m³	0.223	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.30**		ug/m³	0.931	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.583	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.725	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.212	1.657	EPA TO-15	12/30/2021 23:00	12/31/2021 07:57	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SW05** **York Sample ID:** **21L1313-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Soil Vapor	December 21, 2021 10:34 am	12/22/2021

Sample Information

Client Sample ID: **IA005** **York Sample ID:** **21L1313-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 10:28 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.573	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.456	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.573	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.640	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.456	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.338	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.166	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.620	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.410	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.642	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.502	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.338	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.386	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.584	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.410	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.554	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.502	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.386	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.502	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	0.602	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**0.788**		ug/m³	0.246	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	0.684	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:			

Sample Information

Client Sample ID: **IA005** **York Sample ID:** **21L1313-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 10:28 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.31	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.342	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**6.47**		ug/m³	0.397	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.181	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**0.774**		ug/m³	0.267	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.432	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.559	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	0.863	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.324	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.260	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.473**		ug/m³	0.131	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.384	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.220	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.408	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.33**		ug/m³	0.172	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.166	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.379	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**0.287**		ug/m³	0.287	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	0.711	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.27**		ug/m³	0.413	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	0.602	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.363	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: IA005 **York Sample ID:** 21L1313-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 10:28 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.891	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**1.72**		ug/m³	0.410	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.342	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.301	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**0.899**		ug/m³	0.580	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**0.548**		ug/m³	0.342	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.736**		ug/m³	0.294	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	ND		ug/m³	0.363	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**0.834**		ug/m³	0.725	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.410	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.144	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.356	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	0.566	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.493	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:			
108-88-3	**Toluene**	**1.57**		ug/m³	0.315	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.331	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.379	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.112	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.27**		ug/m³	0.469	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.294	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.365	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.107	0.835	EPA TO-15	12/30/2021 23:00	12/31/2021 10:07	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **IA005** **York Sample ID:** **21L1313-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Indoor Ambient Air	December 21, 2021 10:28 am	12/22/2021

Sample Information

Client Sample ID: **OA001** **York Sample ID:** **21L1313-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Outdoor Ambient Air	December 21, 2021 10:46 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.570	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.453	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.570	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.636	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.453	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.336	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.165	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.616	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.408	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.638	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.499	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.336	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.384	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.580	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.408	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	0.551	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.499	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.384	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.499	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	0.598	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**0.783**		ug/m³	0.245	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	0.680	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:			

Sample Information

Client Sample ID: OA001 **York Sample ID:** 21L1313-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Outdoor Ambient Air	December 21, 2021 10:46 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.30	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.340	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**7.28**		ug/m³	0.394	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.180	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**0.769**		ug/m³	0.265	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.430	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	0.556	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	0.858	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.322	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.258	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.470**		ug/m³	0.131	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.382	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.219	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	0.405	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**1.30**		ug/m³	0.171	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.165	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.377	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	0.286	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	0.707	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.34**		ug/m³	0.410	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	0.598	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.360	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: OA001 **York Sample ID:** 21L1313-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Outdoor Ambient Air	December 21, 2021 10:46 am	12/22/2021

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.885	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**2.75**		ug/m³	0.408	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.340	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.299	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**1.15**		ug/m³	0.577	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**0.408**		ug/m³	0.340	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.614**		ug/m³	0.293	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	ND		ug/m³	0.360	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**0.721**		ug/m³	0.721	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.408	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.143	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.354	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	0.563	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.490	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:			
108-88-3	**Toluene**	**1.41**		ug/m³	0.313	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.329	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.377	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.112	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.26**		ug/m³	0.466	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.292	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.363	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.106	0.83	EPA TO-15	12/30/2021 23:00	12/31/2021 11:17	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **OA001** **York Sample ID:** **21L1313-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1313	PEN2101 1 Shore Rd, Glenwood Landing	Outdoor Ambient Air	December 21, 2021 10:46 am	12/22/2021

Analytical Batch Summary

Batch ID: BL13033 **Preparation Method:** EPA TO15 PREP **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
21L1313-02	IA001	12/29/21
21L1313-03RE1	SW02	12/29/21
21L1313-04	IA002	12/29/21
21L1313-06	IA003	12/29/21
21L1313-08	IA004	12/29/21
BL13033-BLK1	Blank	12/29/21
BL13033-BS1	LCS	12/29/21
BL13033-DUP1	Duplicate	12/29/21

Batch ID: BL13114 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
21L1313-01	SW01	12/30/21
21L1313-03	SW02	12/30/21
21L1313-05	SW03	12/30/21
21L1313-06RE1	IA003	12/30/21
21L1313-07	SW04	12/30/21
21L1313-09	SW05	12/30/21
21L1313-10	IA005	12/30/21
21L1313-11	OA001	12/30/21
BL13114-BLK1	Blank	12/30/21
BL13114-BS1	LCS	12/30/21
BL13114-DUP1	Duplicate	12/30/21

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL13033 - EPA TO15 PREP											
Blank (BL13033-BLK1)											Prepared: 12/29/2021 Analyzed: 12/30/2021
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	ND	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
n-Heptane	ND	0.410	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL13033 - EPA TO15 PREP											
Blank (BL13033-BLK1)											Prepared: 12/29/2021 Analyzed: 12/30/2021
n-Hexane	ND	0.352	ug/m³								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
LCS (BL13033-BS1)											Prepared & Analyzed: 12/29/2021
1,1,1,2-Tetrachloroethane	9.51		ppbv	10.0		95.1	70-130				
1,1,1-Trichloroethane	9.43		"	10.0		94.3	70-130				
1,1,2,2-Tetrachloroethane	9.61		"	10.0		96.1	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	70-130				
1,1,2-Trichloroethane	9.72		"	10.0		97.2	70-130				
1,1-Dichloroethane	9.56		"	10.0		95.6	70-130				
1,1-Dichloroethylene	8.94		"	10.0		89.4	70-130				
1,2,4-Trichlorobenzene	9.27		"	10.0		92.7	70-130				
1,2,4-Trimethylbenzene	8.39		"	10.0		83.9	70-130				
1,2-Dibromoethane	9.77		"	10.0		97.7	70-130				
1,2-Dichlorobenzene	8.11		"	10.0		81.1	70-130				
1,2-Dichloroethane	8.41		"	10.0		84.1	70-130				
1,2-Dichloropropane	9.44		"	10.0		94.4	70-130				
1,2-Dichlorotetrafluoroethane	9.90		"	10.0		99.0	70-130				
1,3,5-Trimethylbenzene	8.40		"	10.0		84.0	70-130				
1,3-Butadiene	9.19		"	10.0		91.9	70-130				
1,3-Dichlorobenzene	8.40		"	10.0		84.0	70-130				
1,3-Dichloropropane	9.67		"	10.0		96.7	70-130				
1,4-Dichlorobenzene	8.53		"	10.0		85.3	70-130				
1,4-Dioxane	9.87		"	10.0		98.7	70-130				
2-Butanone	9.67		"	10.0		96.7	70-130				
2-Hexanone	7.69		"	10.0		76.9	70-130				
3-Chloropropene	10.4		"	10.0		104	70-130				
4-Methyl-2-pentanone	8.22		"	10.0		82.2	70-130				
Acetone	9.58		"	10.0		95.8	70-130				
Acrylonitrile	8.42		"	10.0		84.2	70-130				
Benzene	9.74		"	10.0		97.4	70-130				
Benzyl chloride	10.2		"	10.0		102	70-130				
Bromodichloromethane	9.34		"	10.0		93.4	70-130				
Bromoform	9.82		"	10.0		98.2	70-130				
Bromomethane	10.2		"	10.0		102	70-130				
Carbon disulfide	10.3		"	10.0		103	70-130				
Carbon tetrachloride	9.66		"	10.0		96.6	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL13033 - EPA TO15 PREP											
LCS (BL13033-BS1)								Prepared & Analyzed: 12/29/2021			
Chlorobenzene	8.31		ppbv	10.0		83.1	70-130				
Chloroethane	10.7		"	10.0		107	70-130				
Chloroform	9.54		"	10.0		95.4	70-130				
Chloromethane	10.0		"	10.0		100	70-130				
cis-1,2-Dichloroethylene	9.89		"	10.0		98.9	70-130				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Cyclohexane	10.7		"	10.0		107	70-130				
Dibromochloromethane	8.99		"	10.0		89.9	70-130				
Dichlorodifluoromethane	9.21		"	10.0		92.1	70-130				
Ethyl acetate	9.50		"	10.0		95.0	70-130				
Ethyl Benzene	8.41		"	10.0		84.1	70-130				
Hexachlorobutadiene	9.64		"	10.0		96.4	70-130				
Isopropanol	9.87		"	10.0		98.7	70-130				
Methyl Methacrylate	10.1		"	10.0		101	70-130				
Methyl tert-butyl ether (MTBE)	8.73		"	10.0		87.3	70-130				
Methylene chloride	9.14		"	10.0		91.4	70-130				
n-Heptane	10.1		"	10.0		101	70-130				
n-Hexane	10.8		"	10.0		108	70-130				
o-Xylene	8.16		"	10.0		81.6	70-130				
p- & m- Xylenes	16.4		"	20.0		81.8	70-130				
p-Ethyltoluene	8.85		"	10.0		88.5	70-130				
Propylene	9.87		"	10.0		98.7	70-130				
Styrene	8.68		"	10.0		86.8	70-130				
Tetrachloroethylene	9.36		"	10.0		93.6	70-130				
Tetrahydrofuran	10.0		"	10.0		100	70-130				
Toluene	8.60		"	10.0		86.0	70-130				
trans-1,2-Dichloroethylene	9.91		"	10.0		99.1	70-130				
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	70-130				
Trichloroethylene	8.53		"	10.0		85.3	70-130				
Trichlorofluoromethane (Freon 11)	9.33		"	10.0		93.3	70-130				
Vinyl acetate	9.68		"	10.0		96.8	70-130				
Vinyl bromide	10.8		"	10.0		108	70-130				
Vinyl Chloride	9.93		"	10.0		99.3	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL13033 - EPA TO15 PREP											
Duplicate (BL13033-DUP1)	*Source sample: 21L1313-08 (IA004)								Prepared: 12/29/2021 Analyzed: 12/30/2021		
1,1,1,2-Tetrachloroethane	ND	0.522	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.415	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.522	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.933	0.583	"		0.933				0.00	25	
1,1,2-Trichloroethane	ND	0.415	"		ND					25	
1,1-Dichloroethane	ND	0.308	"		ND					25	
1,1-Dichloroethylene	ND	0.151	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.565	"		ND					25	
1,2,4-Trimethylbenzene	0.337	0.374	"		0.337				0.00	25	
1,2-Dibromoethane	ND	0.585	"		ND					25	
1,2-Dichlorobenzene	ND	0.458	"		ND					25	
1,2-Dichloroethane	ND	0.308	"		ND					25	
1,2-Dichloropropane	ND	0.352	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.532	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.374	"		ND					25	
1,3-Butadiene	ND	0.505	"		0.135					25	
1,3-Dichlorobenzene	ND	0.458	"		ND					25	
1,3-Dichloropropane	ND	0.352	"		ND					25	
1,4-Dichlorobenzene	ND	0.458	"		ND					25	
1,4-Dioxane	ND	0.548	"		ND					25	
2-Butanone	1.30	0.224	"		1.30				0.00	25	
2-Hexanone	0.187	0.623	"		0.218				15.4	25	
3-Chloropropene	ND	1.19	"		ND					25	
4-Methyl-2-pentanone	ND	0.312	"		ND					25	
Acetone	7.72	0.362	"		7.72				0.00	25	
Acrylonitrile	ND	0.165	"		ND					25	
Benzene	1.46	0.243	"		1.41				3.39	25	
Benzyl chloride	ND	0.394	"		ND					25	
Bromodichloromethane	ND	0.510	"		ND					25	
Bromoform	ND	0.787	"		ND					25	
Bromomethane	ND	0.295	"		ND					25	
Carbon disulfide	ND	0.237	"		ND					25	
Carbon tetrachloride	0.431	0.120	"		0.479				10.5	25	
Chlorobenzene	ND	0.350	"		ND					25	
Chloroethane	ND	0.201	"		ND					25	
Chloroform	ND	0.372	"		ND					25	
Chloromethane	1.40	0.157	"		1.38				1.13	25	
cis-1,2-Dichloroethylene	ND	0.151	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.345	"		ND					25	
Cyclohexane	ND	0.262	"		ND					25	
Dibromochloromethane	ND	0.648	"		ND					25	
Dichlorodifluoromethane	2.33	0.376	"		2.41				3.17	25	
Ethyl acetate	0.987	0.548	"		1.01				2.74	25	
Ethyl Benzene	1.12	0.330	"		1.09				2.99	25	
Hexachlorobutadiene	ND	0.812	"		ND					25	
Isopropanol	2.19	0.374	"		2.15				1.72	25	
Methyl Methacrylate	0.654	0.312	"		0.654				0.00	25	
Methyl tert-butyl ether (MTBE)	ND	0.274	"		ND					25	
Methylene chloride	12.6	0.529	"		12.4				1.69	25	
n-Heptane	0.437	0.312	"		0.437				0.00	25	
n-Hexane	0.563	0.268	"		0.590				4.65	25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL13033 - EPA TO15 PREP											
Duplicate (BL13033-DUP1)	*Source sample: 21L1313-08 (IA004)								Prepared: 12/29/2021 Analyzed: 12/30/2021		
o-Xylene	1.59	0.330	ug/m³		1.55				2.11	25	
p- & m- Xylenes	4.66	0.661	"		4.69				0.707	25	
p-Ethyltoluene	0.337	0.374	"		0.299				11.8	25	
Propylene	ND	0.131	"		ND					25	
Styrene	3.37	0.324	"		3.34				0.966	25	
Tetrachloroethylene	0.568	0.516	"		0.568				0.00	25	
Tetrahydrofuran	0.247	0.449	"		0.314				24.0	25	
Toluene	2.04	0.287	"		2.01				1.42	25	
trans-1,2-Dichloroethylene	ND	0.302	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.345	"		ND					25	
Trichloroethylene	ND	0.102	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.33	0.428	"		1.33				0.00	25	
Vinyl acetate	ND	0.268	"		ND					25	
Vinyl bromide	ND	0.333	"		ND					25	
Vinyl Chloride	ND	0.0973	"		ND					25	
Batch BL13114 - EPA TO15 PREP											
Blank (BL13114-BLK1)									Prepared: 12/30/2021 Analyzed: 12/31/2021		
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL13114 - EPA TO15 PREP											
Blank (BL13114-BLK1)											Prepared: 12/30/2021 Analyzed: 12/31/2021
Carbon tetrachloride	ND	0.157	ug/m³								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	ND	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
n-Heptane	ND	0.410	"								
n-Hexane	ND	0.352	"								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL13114 - EPA TO15 PREP											
LCS (BL13114-BS1)								Prepared: 12/30/2021 Analyzed: 12/31/2021			
1,1,1,2-Tetrachloroethane	9.91		ppbv	10.0		99.1	70-130				
1,1,1-Trichloroethane	9.89		"	10.0		98.9	70-130				
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	70-130				
1,1,2-Trichloroethane	9.87		"	10.0		98.7	70-130				
1,1-Dichloroethane	9.67		"	10.0		96.7	70-130				
1,1-Dichloroethylene	9.13		"	10.0		91.3	70-130				
1,2,4-Trichlorobenzene	9.52		"	10.0		95.2	70-130				
1,2,4-Trimethylbenzene	8.71		"	10.0		87.1	70-130				
1,2-Dibromoethane	10.1		"	10.0		101	70-130				
1,2-Dichlorobenzene	8.41		"	10.0		84.1	70-130				
1,2-Dichloroethane	8.79		"	10.0		87.9	70-130				
1,2-Dichloropropane	9.74		"	10.0		97.4	70-130				
1,2-Dichlorotetrafluoroethane	10.0		"	10.0		100	70-130				
1,3,5-Trimethylbenzene	8.59		"	10.0		85.9	70-130				
1,3-Butadiene	10.0		"	10.0		100	70-130				
1,3-Dichlorobenzene	8.79		"	10.0		87.9	70-130				
1,3-Dichloropropane	9.96		"	10.0		99.6	70-130				
1,4-Dichlorobenzene	8.89		"	10.0		88.9	70-130				
1,4-Dioxane	10.2		"	10.0		102	70-130				
2-Butanone	9.97		"	10.0		99.7	70-130				
2-Hexanone	7.98		"	10.0		79.8	70-130				
3-Chloropropene	10.7		"	10.0		107	70-130				
4-Methyl-2-pentanone	8.49		"	10.0		84.9	70-130				
Acetone	9.61		"	10.0		96.1	70-130				
Acrylonitrile	8.55		"	10.0		85.5	70-130				
Benzene	10.0		"	10.0		100	70-130				
Benzyl chloride	10.8		"	10.0		108	70-130				
Bromodichloromethane	9.66		"	10.0		96.6	70-130				
Bromoform	10.2		"	10.0		102	70-130				
Bromomethane	10.1		"	10.0		101	70-130				
Carbon disulfide	10.5		"	10.0		105	70-130				
Carbon tetrachloride	10.1		"	10.0		101	70-130				
Chlorobenzene	8.53		"	10.0		85.3	70-130				
Chloroethane	10.7		"	10.0		107	70-130				
Chloroform	9.77		"	10.0		97.7	70-130				
Chloromethane	11.7		"	10.0		117	70-130				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	70-130				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	70-130				
Cyclohexane	11.0		"	10.0		110	70-130				
Dibromochloromethane	9.45		"	10.0		94.5	70-130				
Dichlorodifluoromethane	9.32		"	10.0		93.2	70-130				
Ethyl acetate	9.84		"	10.0		98.4	70-130				
Ethyl Benzene	8.69		"	10.0		86.9	70-130				
Hexachlorobutadiene	9.82		"	10.0		98.2	70-130				
Isopropanol	9.99		"	10.0		99.9	70-130				
Methyl Methacrylate	10.4		"	10.0		104	70-130				
Methyl tert-butyl ether (MTBE)	9.13		"	10.0		91.3	70-130				
Methylene chloride	9.20		"	10.0		92.0	70-130				
n-Heptane	10.4		"	10.0		104	70-130				
n-Hexane	11.0		"	10.0		110	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL13114 - EPA TO15 PREP											
LCS (BL13114-BS1)									Prepared: 12/30/2021 Analyzed: 12/31/2021		
o-Xylene	8.48		ppbv	10.0		84.8	70-130				
p- & m- Xylenes	16.9		"	20.0		84.4	70-130				
p-Ethyltoluene	9.23		"	10.0		92.3	70-130				
Propylene	9.95		"	10.0		99.5	70-130				
Styrene	8.95		"	10.0		89.5	70-130				
Tetrachloroethylene	9.64		"	10.0		96.4	70-130				
Tetrahydrofuran	10.4		"	10.0		104	70-130				
Toluene	8.90		"	10.0		89.0	70-130				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130				
Trichloroethylene	8.79		"	10.0		87.9	70-130				
Trichlorofluoromethane (Freon 11)	9.42		"	10.0		94.2	70-130				
Vinyl acetate	9.94		"	10.0		99.4	70-130				
Vinyl bromide	10.6		"	10.0		106	70-130				
Vinyl Chloride	10.1		"	10.0		101	70-130				
Duplicate (BL13114-DUP1)	*Source sample: 21L1313-11 (OA001)								Prepared: 12/30/2021 Analyzed: 12/31/2021		
1,1,1,2-Tetrachloroethane	ND	0.570	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.453	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.570	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.636	"		ND					25	
1,1,2-Trichloroethane	ND	0.453	"		ND					25	
1,1-Dichloroethane	ND	0.336	"		ND					25	
1,1-Dichloroethylene	ND	0.165	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.616	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.408	"		0.245					25	
1,2-Dibromoethane	ND	0.638	"		ND					25	
1,2-Dichlorobenzene	ND	0.499	"		ND					25	
1,2-Dichloroethane	ND	0.336	"		ND					25	
1,2-Dichloropropane	ND	0.384	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.580	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.408	"		ND					25	
1,3-Butadiene	0.0734	0.551	"		ND					25	
1,3-Dichlorobenzene	ND	0.499	"		ND					25	
1,3-Dichloropropane	ND	0.384	"		ND					25	
1,4-Dichlorobenzene	ND	0.499	"		ND					25	
1,4-Dioxane	ND	0.598	"		ND					25	
2-Butanone	0.808	0.245	"		0.783				3.08	25	
2-Hexanone	ND	0.680	"		ND					25	
3-Chloropropene	ND	1.30	"		ND					25	
4-Methyl-2-pentanone	ND	0.340	"		ND					25	
Acetone	7.39	0.394	"		7.28				1.61	25	
Acrylonitrile	ND	0.180	"		ND					25	
Benzene	0.742	0.265	"		0.769				3.51	25	
Benzyl chloride	ND	0.430	"		ND					25	
Bromodichloromethane	ND	0.556	"		ND					25	
Bromoform	ND	0.858	"		ND					25	
Bromomethane	ND	0.322	"		ND					25	
Carbon disulfide	ND	0.258	"		ND					25	
Carbon tetrachloride	0.470	0.131	"		0.470				0.00	25	
Chlorobenzene	ND	0.382	"		ND					25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL13114 - EPA TO15 PREP											
Duplicate (BL13114-DUP1)	*Source sample: 21L1313-11 (OA001)								Prepared: 12/30/2021 Analyzed: 12/31/2021		
Chloroethane	ND	0.219	ug/m³		ND					25	
Chloroform	ND	0.405	"		ND					25	
Chloromethane	1.39	0.171	"		1.30				6.37	25	
cis-1,2-Dichloroethylene	ND	0.165	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.377	"		ND					25	
Cyclohexane	ND	0.286	"		ND					25	
Dibromochloromethane	ND	0.707	"		ND					25	
Dichlorodifluoromethane	2.34	0.410	"		2.34				0.00	25	
Ethyl acetate	0.419	0.598	"		0.389				7.41	25	
Ethyl Benzene	0.252	0.360	"		0.252				0.00	25	
Hexachlorobutadiene	ND	0.885	"		ND					25	
Isopropanol	2.77	0.408	"		2.75				0.738	25	
Methyl Methacrylate	0.238	0.340	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.299	"		ND					25	
Methylene chloride	1.18	0.577	"		1.15				2.47	25	
n-Heptane	0.442	0.340	"		0.408				8.00	25	
n-Hexane	0.644	0.293	"		0.614				4.65	25	
o-Xylene	0.288	0.360	"		0.288				0.00	25	
p- & m- Xylenes	0.757	0.721	"		0.721				4.88	25	
p-Ethyltoluene	ND	0.408	"		ND					25	
Propylene	ND	0.143	"		ND					25	
Styrene	ND	0.354	"		ND					25	
Tetrachloroethylene	0.338	0.563	"		0.394				15.4	25	
Tetrahydrofuran	0.196	0.490	"		ND					25	
Toluene	1.38	0.313	"		1.41				2.25	25	
trans-1,2-Dichloroethylene	ND	0.329	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.377	"		ND					25	
Trichloroethylene	ND	0.112	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.31	0.466	"		1.26				3.64	25	
Vinyl acetate	ND	0.292	"		ND					25	
Vinyl bromide	ND	0.363	"		ND					25	
Vinyl Chloride	ND	0.106	"		ND					25	

Sample and Data Qualifiers Relating to This Work Order

TO-VAC The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No. 2121313

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

Page 1 of 2

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: PWGC	Company: Same	Company: Same	PEN2101	RUSH - Next Day
Address: 630 Johnson Ave, St. 7 Bohemia, NY 11716	Address:	Address:	**YOUR Project Name**	RUSH - Two Day
Phone: (631) 589-6353	Phone.:	Phone.:	1 Shore Rd., Glenwood Landing	RUSH - Three Day
Contact: Ryan Morley	Contact:	Contact:		RUSH - Four Day
E-mail: RyanM@pwgrosser.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matthew Merrill
Samples Collected by: (print your name above and sign below)
[signature]

Air Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
AI - Indoor Ambient Air	New York X	(circled) Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
AO - Outdoor Amb. Air	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
AE - Vapor Extraction Well/ Process Gas/Effluent	Connecticut	NY ASP A Package	NJDEP Reduced Deliv.	(circled) NYSDEC EQuIS	
AS - Soil Vapor/Sub-Slab	Pennsylvania	(circled) NY ASP B Package	NJDKQP	NJDEP SRP HazSite	
	Other	Other:			

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m^3 ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SV001	12/21/21 11:30	AS	~~30~~ 30	~~4~~ 9.5	~~4~~ 18298	5625	TO-15
IA001	12/21/21 11:28	AI	30	6	41842	7418	TO-15 SIM
SV002	12/21/21 10:08	AS	27	6	18257	7074	TO-15
IA002	12/21/21 09:57	AI	30	4	23997	5704	TO-15 SIM
SV003	12/21/21 11:43	AS	~~27~~ 30	~~6~~ 10	~~18298~~ 369103	~~7074~~ 7301	TO-15 (369103)(7301)
IA003	12/21/21 11:41	AI	30	6	305889	7362	TO-15 SIM
SV004	12/21/21 15:10	AS	30	4.5	28307	5705	TO-15
IA004	12/21/21 11:51	AI	30	2	15012	13570	TO-15 SIM
SV005	12/21/21 10:34	AS	30	11	14193	13572	TO-15
IA005	12/21/21 10:28	AI	30	6	41937	13555	TO-15 SIM

Comments:

Detection Limits Required		Sampling Media
≤ 1 ug/m^3 ___	NYSDEC V1 Limits ___	6 Liter Canister
Routine Survey ___	Other ___	Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Joey Usmonov / PWGC	12/22/21 12:45	[signature]	12/22/21 12:45	[signature]	
Samples Received by / Company	**Date/Time**	**Samples Relinquished by / Company**	**Date/Time**	**Samples Received by / Company**	**Date/Time**
Samples Relinquished by / Company	**Date/Time**	**Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time**
				[signature] / York (TL)	12/23/21 10:50

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418

YORK ANALYTICAL LABORATORIES INC
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No. 2121313

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: PWGC	Company: same	Company: same	PEN2401	RUSH - Next Day
Address: 630 Johnson Ave, St. 7 Bohemia, NY 11716	Address:	Address:	YOUR Project Name: 1 Shore Rd, Glenwood Landing	RUSH - Two Day
Phone.: (631) 589-6353	Phone.:	Phone.:		RUSH - Three Day
Contact: Ryan Marley	Contact:	Contact:		RUSH - Four Day
E-mail: RyanM@pwgresser.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Matthew Merrill

Air Matrix Codes
AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
Summary Report; QA Report; NY ASP A Package; NY ASP B Package; Other:
CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliv.; NJDKQP
Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
OA001	12/21/21 10:40	AO	30	2.5	17352	5609	TO-15 STM

Comments:

Detection Limits Required
≤ 1 ug/m³ ___ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media
6 Liter Canister
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
PWGC	12/22/21 12:45		12/22/21 12:45		
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				Terrence/York	10:50 12/23/21

APPENDIX D

Data Usability Summary Reports

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia, NY 11716 ATTN:
Ms. Kaitlyn Crosby
kcrosby@pwgrosser.com

March 23, 2022

SUBJECT: PEN 2101, Data Usability Summary Report

Dear Ms.Crosby,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on January 28, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #53335:

SDG #	Fraction
21L1300	Volatiles
21L1313	

The data validation was performed under modified Category B guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SOP HW-24, Revision 4 (October 2014)
- USEPA Region 2 Analysis of Volatile Organic Compounds in Air Contained Canisters, SOP HW-31, Revision 6 (September 2016)
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-20-005 (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink

Christina Rink
crink@lab-data.com
Project Manager/Senior Chemist

134 pages-EM

Attachment 1

Category B (5% per SDG) DUSR

LDC# 53335 (P.W. Grosser Consulting - Bohemia, NY / PEN2101)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (TO-15)		VOA (8260C)																															
Matrix:	Air/Water/Soil			A	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	21L1300	01/28/22	02/18/22	-	-	1	0																														
B	21L1313	01/28/22	02/18/22	1	0	-	-																														
Total	T/CR			1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS, MSD, or DUP's.

V:\LOGIN\PW Grosser\PEN2101\53335ST.wpd

Site: PENN2101
Laboratory: York Analytical Laboratories, Inc., Stratford, CT
Report No.: 21L1300
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: March 21, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW004	21L1300-02	VOC
MW004MS	21L1300-02MS	VOC
MW004MSD	21L1300-02MSD	VOC

Associated QC Samples(s):
Field/Trip Blanks: TB001, EB001
Field Duplicate pair: MW004 and DUP001

The above-listed water sample was collected on December 21, 2021 and was analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry,* SOP HW-24, Revision 4 (October 2014) and the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers with the exception listed below.

The VOC nondetect result for bromomethane in sample MW004 was rejected (R) due to low LCS/LCSD recoveries. The results are not usable for project objectives, which may have a major impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial calibration:

Compounds that did not meet criteria are summarized in the following tables.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
10/12/21	ICAL	1,4-Dioxane	0.0005023802 (≥0.005)	MW004	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane result was estimated due to response factor exceedance. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Standard ID	Compound	IC %RSD	Associated Samples		Validation Action
10/12/21	ICAL	1,4-Dioxane	113.2225	MW004	X	UJ nondetects
		Acrolein	115.5986		X	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane and acrolein results were estimated due to initial calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	IC %D	Associated Samples		Validation Action
12/23/21	ICV	1,4-Dioxane	132	MW004	SS	UJ nondetects
		Acrolein	71.5		SS	UJ nondetects
		Cyclohexane	38.0		SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane, acrolein, and cyclohexane results were estimated due to second source calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following tables.

Date	Instrument ID	Compound	RRF (Limits)	Associated Samples		Validation Action
12/23/21	CCV	1,4-Dioxane	0.001479406 (≥0.005)	MW004	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane result was estimated due to response factor exceedance. The bias cannot be determined. The result can be used for project objectives as nondetect with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
12/23/21	CCV	1,2-Dibromo-3-chloropropane	27.8	MW004	XX	UJ nondetects
		1,4-Dioxane	194		XX	UJ nondetects
		Acrolein	959		XX	UJ nondetects
		Bromomethane	90.1		XX	UJ nondetects
		Hexachlorobutadiene	39.8		XX	UJ nondetects
		tert-Butyl alcohol	60.7		XX	UJ nondetects
		Vinyl chloride	22.6		XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,2-dibromo-3-chloropropane, 1,4-dioxane, acrolein, bromomethane, hexachlorobutadiene, tert-butyl alcohol, and vinyl chloride results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the method blanks.

No positive results were found in the trip blank sample TB001 and equipment blank sample EB001 for VOC analysis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample MW004 for VOC analysis. The following table lists the MS/MSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

MS ID	Compound	MS %R (Limits)	MS/D %R (Limits)	Affected Sample	Validation Action
MW004MS/MSD	Acrolein	233 (10-195)	231 (10-195)	MW004	UJ nondetects
	Bromomethane	13.6 (30-158)	16.4 (30-158)		UJ nondetects
	Cyclohexane	61.8 (70-130)	61.4 (70-130)		UJ nondetects

- Within control limits

The acrolein, bromomethane, and cyclohexane results may be biased high and low due to MS/MSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

LCS Results

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
BL12771-LCS/LCSD	Bromomethane	9.50 (43-168)	12.9 (43-168)	MW004	R nondetects
BL12771-LCS/LCSD	Cyclohexane	57.8 (63-149)	57.9 (63-149)	MW004	UJ nondetects
	Dichlorodifluoromethane	40.8 (44-144)	38.9 (44-144)		UJ nondetects
	Hexachlorobutadiene	61.5 (67-146)	58.5 (67-146)		UJ nondetects
BL12771-LCS/LCSD	Acrolein	278 (10-153)	275 (10-153)	MW004	None

- Within control limits

The VOC nondetect result for bromomethane in sample MW004 was rejected (R) due to low LCS/LCSD recoveries. The results are not usable for project objectives, which may have a major impact on the data usability.

The cyclohexane, dichlorodifluoromethane, and hexachlorobutadiene results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Validation action was not required for acrolein due to high LCS/LCSD recoveries as positive results only are affected and this compound was not detected in the associated sample.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples MW004 and DUP001 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations.

Compound	Concentration (ug/L)		RPD
	MW004	DUP001	
cis-1,2-Dichloroethene	0.660	0.640	3
Tetrachloroethene	0.670	0.690	3
Trichloroethene	0.830	0.850	2

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis.

Dilutions were not required for VOC analysis.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

MW004

Laboratory: York Analytical Laboratories, Inc. SDG: 21L1300

Client: P.W. Grosser Consulting Project: PEN2101 1 Shore Rd, Glenwood Landing

Matrix: Water Laboratory ID: 21L1300-02 File ID: QV6241471.D

Sampled: 12/21/21 11:15 Prepared: 12/23/21 06:48 Analyzed: 12/24/21 01:45

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BL12771 Sequence: Y1L3050 Calibration: YJ10032 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.500 U	U
71-55-6	1,1,1-Trichloroethane	1	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U
75-34-3	1,1-Dichloroethane	1	0.500	U
75-35-4	1,1-Dichloroethylene	1	0.500	U
87-61-6	1,2,3-Trichlorobenzene	1	0.500	U
96-18-4	1,2,3-Trichloropropane	1	0.500	U
120-82-1	1,2,4-Trichlorobenzene	1	0.500	U
95-63-6	1,2,4-Trimethylbenzene	1	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.500 UJ	U
106-93-4	1,2-Dibromoethane	1	0.500 U	U
95-50-1	1,2-Dichlorobenzene	1	0.500	U
107-06-2	1,2-Dichloroethane	1	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U
108-67-8	1,3,5-Trimethylbenzene	1	0.500	U
541-73-1	1,3-Dichlorobenzene	1	0.500	U
142-28-9	1,3-Dichloropropane	1	0.500	U
106-46-7	1,4-Dichlorobenzene	1	0.500	U
123-91-1	1,4-Dioxane	1	80.0 UJ	U
78-93-3	2-Butanone	1	0.500 U	U
591-78-6	2-Hexanone	1	0.500	U
108-10-1	4-Methyl-2-pentanone	1	0.500	U
67-64-1	Acetone	1	2.00	U
107-02-8	Acrolein	1	0.500 UJ	U
107-13-1	Acrylonitrile	1	0.500 U	U
71-43-2	Benzene	1	0.500	U
74-97-5	Bromochloromethane	1	0.500	U
75-27-4	Bromodichloromethane	1	0.500	U
75-25-2	Bromoform	1	0.500	U
74-83-9	Bromomethane	1	0.500 R	U
75-15-0	Carbon disulfide	1	0.500 U	U
56-23-5	Carbon tetrachloride	1	0.500	U
108-90-7	Chlorobenzene	1	0.500	U
75-00-3	Chloroethane	1	0.500	U
67-66-3	Chloroform	1	0.500	U
74-87-3	Chloromethane	1	0.500	U
156-59-2	cis-1,2-Dichloroethylene	1	0.660	
10061-01-5	cis-1,3-Dichloropropylene	1	0.500 U	U

CL 3/22/22

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

MW004

Laboratory:	York Analytical Laboratories, Inc.			SDG:	21L1300
Client:	P.W. Grosser Consulting			Project:	PEN2101 1 Shore Rd, Glenwood Landing
Matrix:	Water	Laboratory ID:	21L1300-02	File ID:	QV6241471.D
Sampled:	12/21/21 11:15	Prepared:	12/23/21 06:48	Analyzed:	12/24/21 01:45
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL12771	Sequence:	Y1L3050	Calibration:	YJ10032
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
110-82-7	Cyclohexane	1	0.500 UJ	U
124-48-1	Dibromochloromethane	1	0.500 U	U
74-95-3	Dibromomethane	1	0.500 U	U
75-71-8	Dichlorodifluoromethane	1	0.500 UJ	U
100-41-4	Ethyl Benzene	1	0.500 U	U
87-68-3	Hexachlorobutadiene	1	0.500 UJ	U
98-82-8	Isopropylbenzene	1	0.500 U	U
79-20-9	Methyl acetate	1	0.500	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.500	U
108-87-2	Methylcyclohexane	1	0.500	U
75-09-2	Methylene chloride	1	2.00	U
91-20-3	Naphthalene	1	2.00	U
104-51-8	n-Butylbenzene	1	0.500	U
103-65-1	n-Propylbenzene	1	0.500	U
95-47-6	o-Xylene	1	0.500	U
179601-23-1	p- & m- Xylenes	1	1.00	U
105-05-5	p-Diethylbenzene	1	0.500	U
622-96-8	p-Ethyltoluene	1	0.500	U
99-87-6	p-Isopropyltoluene	1	0.500	U
135-98-8	sec-Butylbenzene	1	0.500	U
100-42-5	Styrene	1	0.500	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.00 UJ	U
98-06-6	tert-Butylbenzene	1	0.500 U	U
127-18-4	Tetrachloroethylene	1	0.670	
108-88-3	Toluene	1	0.500 U	U
156-60-5	trans-1,2-Dichloroethylene	1	0.500	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.500	U
79-01-6	Trichloroethylene	1	0.830	
75-69-4	Trichlorofluoromethane	1	0.500 U	U
75-01-4	Vinyl Chloride	1	0.500 UJ	U
1330-20-7	Xylenes, Total	1	1.50 U	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.79	97.9	69 - 130	
SURR: Toluene-d8	10.0	9.72	97.2	81 - 117	
SURR: p-Bromofluorobenzene	10.0	8.87	88.7	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	269520	5.722	277080	5.722	
ISTD: Chlorobenzene-d5	1054680	8.757	1094527	8.757	
ISTD: 1,2-Dichlorobenzene-d4	439643	11.737	433185	11.737	

02/3/22

LDC #: 53335A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 3/8/22

SDG #: 21L1300 Category B Page: 1 of 1

Laboratory: York Analytical Laboratories, Inc., Stratford, CT Reviewer:

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW / SW	%D/%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	EB = EB001 TB = TB001
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS ID
X.	Field duplicates	SW	D = 1 + DUP001
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	No Result < RL > MDL
XIII.	Target analyte identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW004	21L1300-02	Water	12/21/21
2	MW004MS	21L1300-02MS	Water	12/21/21
3	MW004MSD	21L1300-02MSD	Water	12/21/21
4				
5				
6				
7				
8				
9				

Notes:

	BL12771						

LDC #: 53335A1a **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: Volatiles (EPA SW 846 Method 8260 C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%, 15/30% and relative response factors (RRF) within method criteria?	✓	✓		
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓	✓		
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20% 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target analytes detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 53335A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30/15, 20, 15 RSD% and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: 20)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	10/12/21	ICAL	HHHH		0.000502358	02 (≥0.005) All	J/UJ/A (NP)
			HHHH	113.2225		↓	↓
			FFFF	115.5986			

LDC #: 53335A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤20 % (30%D)?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤ 30%)	Associated Samples	Qualifications
		ICV	HHHH	132 (≤30%)	A 11	J/UJ/A ND
			FFFF	71.5	↓	↓
			SSSS	38.0	↓	↓

LDC #: 53335A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

METHOD: ___ GC ___ HPLC (GCMS VOA 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated analytes within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RRF RT (limit)	Associated Samples	Qualifications
	12/23/21	CCV		MM	27.8		All	J/UJ/A all ND
				HHHH	19.4			
				HHHH		0.001479406 (≥0.005)		
				FFFF	95.9			
				B	90.1			
				LLL	39.8			
				ZZZ	60.7			
				C	22.6			

.LDC #: 53335A1a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: FT

METHOD : GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	2, 3	FFFF	233 (10-195)	231 (10-195)	( )	#1	J/UJ/A- all ND
		B	13.6 (30-158)	16.4 (30-158)	( )		↓
		SSSS	61.8 (70-130)	61.4 (70-130)	( )		↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 53335A/6a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required? (Y)

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits? (N)

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	BL12771-LCS/D	B	9.50 (43-168)	12.9 (43-168)	( )	All	J/R/P all ND
		SSSS	57.8 (63-149)	57.9 (63-149)	( )	↓	J/UJ/P
		JJ	40.8 (44-144)	38.9 (44-144)	( )	↓	↓
		LLL	61.5 (67-146)	58.5 (67-146)	( )	↓	↓
		FFFF	278 (10-153)	275 (10-153)	( )	↓	Jdet/P
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 53335A/a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD (≤ %)	QUAL
	1			
QQQ	0.66U	0.64U	3	
AA	0.67U	0.69U	3	
S	0.83U	0.85U	2	

Compound	Concentration ( )		RPD (≤ %)	QUAL

Compound	Concentration ( )		RPD (≤ %)	QUAL

Compound	Concentration ( )		RPD (≤ %)	QUAL

LDC #: 53335A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 9

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of target analyte
C_x = Concentration of target analyte
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (20 std)	RRF (21 std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	ICAL TJ10032	10/12/21	QQQ	1.310842	1.310842	1.329164	1.3292	4.577476	4.58
			EE	1.0281	1.0281	0.9991044	0.9991	6.749714	6.75
			JJJ	0.9783492	0.9783492	0.9984031	0.9984	5.414694	5.41
2									
3									
4									

Comments: _____

LDC #: 53335A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where:
ave. RRF = initial calibration average RRF
A_x = Area of target analyte
C_x = Concentration of target analyte
RRF = continuing calibration RRF
A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	YJ10032 CCV	12/23/21 2144	QQQ	1.329164	1.270139	1.27014	4.4	4.4
			EE	0.9991044	1.05199	1.05199	5.3	5.3
			JJJ	0.9984031	0.968780	0.9688	3.0	3.0
2								
3								
4								

LDC #: 53335A1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 9)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	10.0	9.79	97.9	97.9	0
Toluene-d8	↓	9.72	97.2	97.2	↓
Bromofluorobenzene	↓	8.87	88.7	88.7	↓

Comments: _____

LDC #: 53335A1a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the target analytes identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSC I * 2/(MSC + MSDC)

MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD sample: 2 a 3

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	NA	8.49	8.26	84.9	84.9	82.6	82.6	2.75	2.75
Trichloroethene	↓	↓	0.830	9.98	9.79	91.5	91.5	89.6	89.6	1.92	1.92
Benzene	↓	↓	NA	10.2	9.88	102	102	98.8	98.8	3.09	3.09
Toluene	↓	↓	↓	9.59	9.40	95.9	95.9	94.0	94.0	2.0	2.0
Chlorobenzene	↓	↓	↓	9.75	9.53	97.5	97.5	95.3	95.3	2.28	2.28

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 53335A6

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 Q

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the target analytes identified below using the following calculation:

% Recovery = 100 * SSC/SA

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC)

Where: SSC = Spiked sample concentration
SA = Spike added
LCSC = Laboratory control sample concentration
LCSDC = Laboratory control sample duplicate concentration

LCS ID: BL12771 - LCS 10

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	10.0	10.0	7.65	7.52	76.5	76.5	75.2	75.2	1.71	1.71
Trichloroethene	↓	↓	8.87	8.77	88.7	88.7	87.7	87.7	1.13	1.13
Benzene			9.75	9.67	97.5	97.5	96.7	96.7	0.824	0.824
Toluene			9.52	9.43	95.2	95.2	94.3	94.3	0.950	0.950
Chlorobenzene			9.59	9.54	95.9	95.9	95.4	95.4	0.523	0.523

Comments: _____

LDC #: 53335A1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The concentration of the sample was calculated for the target analytes identified below using the following calculation:

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the target analyte to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1 , QQQ

Conc. = $\frac{23626 \quad (10.0)}{269520 \quad (1.329164)}$

= 0.6595 ug/L

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#1	QQQ	0.660	0.6595	-

Site: PEN2101
Laboratory: York Analytical Laboratories, Inc., Stratford, CT
Report No.: 21L1313
Reviewer: Felomina Tanguilig and Christina Rink/Laboratory Data Consultants for P.W. Grosser Consulting
Date: March 21, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SW01	21L1313-01	VOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed air sample was collected on December 21, 2021 and was analyzed for volatile organic compounds (VOC) by method TO-15. The data validation was performed in accordance with the USEPA Region 2 *Analysis of Volatile Organic Compounds in Air Contained Canisters*, SOP HW-31, Revision 6 (September 2016) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Standard ID	Compound	CC %D	Associated Samples		Validation Action
12/30/21	CCV	Acetone	38.6	SW01	XX	J detects
		Isopropanol	44.6		XX	J detects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The acetone and isopropanol results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as detects with estimated values (J) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Laboratory Duplicate Results

Laboratory duplicates were performed on sample 0A001 for VOC analysis. All criteria were met.

LCS Results

All criteria were met.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

No results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
SW01	1.803-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA TO-15

SW01

Laboratory:	York Analytical Laboratories, Inc.		SDG:	21L1313	
Client:	P.W. Grosser Consulting		Project:	PEN2101 1 Shore Rd, Glenwood Landing	
Matrix:	Soil Vapor	Laboratory ID:	21L1313-01	File ID:	TQ218065.D
Sampled:	12/21/21 11:30	Prepared:	12/30/21 23:00	Analyzed:	12/31/21 03:54
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BL13114	Sequence:	Y2A0344	Calibration:	YA20007
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.8	1.24 U	U
71-55-6	1,1,1-Trichloroethane	1.8	0.984	U
79-34-5	1,1,2,2-Tetrachloroethane	1.8	1.24	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.8	17.7	D
79-00-5	1,1,2-Trichloroethane	1.8	0.984 U	U
75-34-3	1,1-Dichloroethane	1.8	0.730	U
75-35-4	1,1-Dichloroethylene	1.8	0.357	U
120-82-1	1,2,4-Trichlorobenzene	1.8	1.34	U
95-63-6	1,2,4-Trimethylbenzene	1.8	0.975	D
106-93-4	1,2-Dibromoethane	1.8	1.39 U	U
95-50-1	1,2-Dichlorobenzene	1.8	1.08	U
107-06-2	1,2-Dichloroethane	1.8	0.730	U
78-87-5	1,2-Dichloropropane	1.8	0.833	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.8	1.26	U
108-67-8	1,3,5-Trimethylbenzene	1.8	0.886	U
106-99-0	1,3-Butadiene	1.8	1.20	U
541-73-1	1,3-Dichlorobenzene	1.8	1.08	U
142-28-9	1,3-Dichloropropane	1.8	0.833	U
106-46-7	1,4-Dichlorobenzene	1.8	1.08	U
123-91-1	1,4-Dioxane	1.8	1.30	U
78-93-3	2-Butanone	1.8	1.60	D
591-78-6	2-Hexanone	1.8	1.48 U	U
107-05-1	3-Chloropropene	1.8	2.82	U
108-10-1	4-Methyl-2-pentanone	1.8	0.739	U
67-64-1	Acetone	1.8	11.4 J	D
107-13-1	Acrylonitrile	1.8	0.391 U	U
71-43-2	Benzene	1.8	0.576	U
100-44-7	Benzyl chloride	1.8	0.933	U
75-27-4	Bromodichloromethane	1.8	1.21	U
75-25-2	Bromoform	1.8	1.86	U
74-83-9	Bromomethane	1.8	0.700	U
75-15-0	Carbon disulfide	1.8	0.561	U
56-23-5	Carbon tetrachloride	1.8	0.340	D
108-90-7	Chlorobenzene	1.8	0.830 U	U
75-00-3	Chloroethane	1.8	0.476	U
67-66-3	Chloroform	1.8	0.880	U
74-87-3	Chloromethane	1.8	0.894	D
156-59-2	cis-1,2-Dichloroethylene	1.8	0.357 U	U
10061-01-5	cis-1,3-Dichloropropylene	1.8	0.818 U	U
110-82-7	Cyclohexane	1.8	2.85	D

CR 3/22/22

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA TO-15

SW01

Laboratory:	York Analytical Laboratories, Inc.		SDG:	21L1313	
Client:	P.W. Grosser Consulting		Project:	PEN2101 1 Shore Rd, Glenwood Landing	
Matrix:	Soil Vapor	Laboratory ID:	21L1313-01	File ID:	TQ218065.D
Sampled:	12/21/21 11:30	Prepared:	12/30/21 23:00	Analyzed:	12/31/21 03:54
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BL13114	Sequence:	Y2A0344	Calibration:	YA20007
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.8	1.54 U	U
75-71-8	Dichlorodifluoromethane	1.8	2.41	D
141-78-6	Ethyl acetate	1.8	1.30 U	U
100-41-4	Ethyl Benzene	1.8	0.783	U
87-68-3	Hexachlorobutadiene	1.8	1.92	U
67-63-0	Isopropanol	1.8	2.53 J	D
80-62-6	Methyl Methacrylate	1.8	0.738 U	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.8	0.650 U	U
75-09-2	Methylene chloride	1.8	51.5	D
142-82-5	n-Heptane	1.8	1.11	D
110-54-3	n-Hexane	1.8	1.33	D
95-47-6	o-Xylene	1.8	0.861	D
179601-23-1	p- & m- Xylenes	1.8	1.72	D
622-96-8	p-Ethyltoluene	1.8	1.15	D
115-07-1	Propylene	1.8	0.310 U	U
100-42-5	Styrene	1.8	0.768 U	U
127-18-4	Tetrachloroethylene	1.8	6.97	D
109-99-9	Tetrahydrofuran	1.8	1.06 U	U
108-88-3	Toluene	1.8	1.49	D
156-60-5	trans-1,2-Dichloroethylene	1.8	0.715 U	U
10061-02-6	trans-1,3-Dichloropropylene	1.8	0.818 U	U
79-01-6	Trichloroethylene	1.8	0.775	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.8	1.42	D
108-05-4	Vinyl acetate	1.8	0.635 U	U
593-60-2	Vinyl bromide	1.8	0.789	U
75-01-4	Vinyl Chloride	1.8	0.230	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	595879	12.004	616335	12.021	
ISTD: 1,4-Difluorobenzene	1819463	13.574	1907896	13.587	
ISTD: d5-Chlorobenzene	1561833	18.814	1711398	18.821	

* Values outside of QC limits

CR 3/22/22

LDC #: 53335B48 **VALIDATION COMPLETENESS WORKSHEET** Date: 3/8/22

SDG #: 21L1313 Category B Page: 1 of 1

Laboratory: York Analytical Laboratories, Inc., Stratford, CT Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA Method TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%D RSD ≤30, r² ICV ≤30
IV.	Continuing calibration	SW	CCV ≤30
V.	Laboratory Blanks / canister check per batch	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	N	
VIII.	Matrix spike/Matrix spike duplicates / DUP	N / A	OA001DUP
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	NJ Result < RL > MDL
XIII.	Target analyte identification	A	
XIV.	System performance	A	
XV.	Leak Check Compounds	N	
XVI.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	~~IA004~~ SW01 1.803X	21L1313-~~08~~ 01	Air	12/21/21
2	~~IA004DUP~~	~~21L1313-08DUR~~	Air	12/21/21
3				
4				
5				
6				
7				
8				

Notes:

	~~BL13033~~						
	BL13114						

LDC #: 53335B4 ✓ **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: Volatiles (EPA Method TO-15)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was canister pressure criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 24 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%?	✓			
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after every ICAL for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 24 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?		✓		
V. Laboratory Blanks/Canister Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 24 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
Was a canister blank analyzed for every canister?	✓			
Was there contamination in the canister blanks?		✓		
VI. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes (Optional)				
Were all surrogate percent recoveries (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Laboratory Duplicate				
Was a laboratory duplicate analyzed for this SDG?	✓			
Were the relative percent differences (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch for this SDG?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within ± 40% from the associated calibration standard?	✓			
Were retention times within ± 20.0 seconds from the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Leak check compounds				
Was a leak check compound used to evaluate sample integrity and included in the laboratory analyte list?			✓	
Was the leak check compound detected in the samples? If yes, please see leak check validation findings worksheet.			✓	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 53335B4B

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

METHOD: __ GC __ HPLC (GCMS VOA TO-15)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? __%D or __%R
(Y) N N/A Were continuing calibration standards analyzed at the required frequencies?
Y (N) N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
(Y) N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	12/30/21 2308	CCV		F	38.6		All	J/UJ/P all Det
				Isopropanol	44.6		↓	↓ ↓

LDC #: 53335B48

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method ~~8260~~) T015

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of target analyte
C_x = Concentration of target analyte
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (10 ~~ppb~~ std)	RRF (10 std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	YA20007 ICAL	12/27/21	A	0.6092386	0.60924	0.5641423	0.5641	10.93251	10.93
			CC	0.9902391	0.99024	1.119945	1.1199	17.2762	17.28
			JJJ	1.074376	1.0744	1.276015	1.2760	21.24758	21.25
2									
3									
4									

Comments: _____

LDC #: 53335B48

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA TO-15)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	YZA0344-	12/30/21	Δ	0.561423	0.6285267	0.62853	11.4	11.4
	CCV 1	2308	CE	1.119945	1.02395	1.0240	8.6	8.6
			JJJ	1.276015	1.105927	1.1060	13.3	13.3
2								
3								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 53335B40

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page:____of___
Reviewer: FT

METHOD: GC/MS Volatiles (EPA Method TO-15)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:
% Recovery: SF/SS * 100   Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene	10.0	~~10.0~~ 9.75	~~9.75~~	97.50	0
1,2-Dichloroethane-d4			97.50		
Octafluorotoluene					

Sample ID:________

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Octafluorotoluene					

Sample ID:________

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Octafluorotoluene					

Sample ID:________

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Octafluorotoluene					

Sample ID:________

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Octafluorotoluene					

LDC #: 53335B48

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method TO-15)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration
SA = Spike added

RPD = I LCS - LCSD I * 2/(LCS + LCSD) LCS = Laboraotry control sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS ID: LCS BL13114

Compound	Spike Added (ppbv)		Spiked Sample Concentration (ppbv)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
BB	10	NA	10	NA	10 U	10 U				
H			9.87		98.7	98.7				
I			9.67		96.7	96.7				
KKK			9.52		95.2	95.2				
JJJ			8.41		84.1	84.1				
Y			10		100	10 U				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 53335B48

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/MS VOA (EPA Method TO-15)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only. 400/400

Example:

Sample I.D. #1, X CC

Conc. = $\frac{(44708)(10.0)(92.14)(1.803)}{(181946.3)(1.119945)(24.45)}$

=

1.49 ng/m^3

MW = 92.14

#	Sample ID	Compound	Reported Concentration (ug/m3)	Calculated Concentration (ng/m3)	Qualification
	#1	X CC	1.49	1.49	

Appendix E

NYSDOH Decision Matrices

Appendix A
NYSDOH Decision Matrix A
SV001/IA001
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix A Sample Location SV001/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	**0.775**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV001/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV001/IA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1-Dichloroethene (ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV001/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.419	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	**0.34**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

ND - Analyte not Detected

Appendix A
NYSDOH Decision Matrices B/C
SV001/IA001
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix B Sample Location SV001/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.621		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	**6.97**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV001/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV001/IA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
					101
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	**51.5**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV001/IA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	**ND**	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

ND - Analyte not Detected

Appendix A
NYSDOH Decision Matrix A
SV002/IA002
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix A Sample Location SV002/IA002			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60	**12.1**	4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV002/IA002			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV002/IA002			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1-Dichloroethene (ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV002/IA002			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.463	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	**0.416**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

ND - Analyte not Detected

Appendix A
NYSDOH
Decision Matrices B/C
SV002/IA002
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix B Sample Location SV002/IA002			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.948		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	**141**	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV002/IA002			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	**1.17**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV002/IA002			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
					23.3
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	**479**	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV002/IA002			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	**ND**	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

ND - Analyte not Detected

Appendix A
NYSDOH Decision Matrix A
SV003/IA003
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix A Sample Location SV003/IA003			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	**2.78**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV003/IA003			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV003/IA003			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1-Dichloroethene (ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV003/IA003			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.49	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

ND - Analyte not Detected

Appendix A
NYSDOH Decision Matrices B/C
SV003/IA003
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix B Sample Location SV003/IA003			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			1.12		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	**628**	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV003/IA003			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	**4.89**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV003/IA003			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			1.83		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	**11.5**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV003/IA003			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	**ND**	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

ND - Analyte not Detected

Appendix A
NYSDOH Decision Matrix A
SV004/IA004
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix A Sample Location SV004/IA004			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above	**126**	7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV004/IA004			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV004/IA004			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1-Dichloroethene (ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV004/IA004			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.479	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

ND - Analyte not Detected

Appendix A
NYSDOH Decision Matrices B/C
SV004/IA004
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix B Sample Location SV004/IA004			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.568		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	**628**	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV004/IA004			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	**14.4**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV004/IA004			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
				12.4	
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	**43.4**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV004/IA004			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	**ND**	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

ND - Analyte not Detected

Appendix A
NYSDOH Decision Matrix A
SV005/IA005
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix A Sample Location SV005/IA005			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	**0.801**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV005/IA005			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2-Dichloroethene(ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV005/IA005			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1-Dichloroethene (ug/m3)	< 6	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location SV005/IA005			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.473	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	**0.313**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

ND - Analyte not Detected

Appendix A
NYSDOH Decision Matrices B/C
SV005/IA005
1 Shore Road, Glenwood Landing, NY

NYSDOH Decision Matrix B Sample Location SV005/IA005			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	**124**	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV005/IA005			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	**ND**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location SV005/IA005			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.899		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	**1.78**	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location SV005/IA005			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	**ND**	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

ND - Analyte not Detected

Appendix F

Site Inspection Form

Annual Inspection Checklist

FORMER PENETREX PROCESSING FACILITY

1 SHORE ROAD

GLENWOOD LANDING, NEW YORK

Date/time: November 4, 2021

Inspector (name/organization): Matthew Merrill

Detail the condition of the first floor concrete slab, make note of any significant penetrations through the concrete slab:

The Concrete slab and foundations of the Commercial building and residential house appeared to be in good condition.

Detail the condition of sub-slab depressurization system, including, above grade piping, three blowers, and three pressure alarms:

The two SSDSs appeared to be in good condition and functioning properly.

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

No. SSDSs were deactivated following inspection to run future Shut-Down analysis

MW-3 is Damaged

Name Matt Merrill Signature Date 11/4/21

Appendix G

Indoor Air Quality Assessment 2020 Report

1 SHORE ROAD
GLENWOOD LANDING, NEW YORK
FORMER PENETREX PROCESSING
SITE # 1-30-034

INDOOR AIR QUALITY ASSESSMENT
2020

SUBMITTED TO:

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, Section C
625 Broadway
Albany, New York 12233

PREPARED FOR:

Glenwood Realty
PO Box 1356
Roslyn Heights, NY 11577

PREPARED BY:

P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: 631-589-6353
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Janelle Cooley, Project Hydrogeologist Jcooley@pwgrosser.com
Jennifer Lewis, PG, Senior Project Manager JenniferL@pwgrosser.com

PWGC Project Number: PEN1101

DECEMBER 2020

2020 INDOOR AIR QUALITY ASSESSMENT
1 SHORE ROAD, GLENWOOD LANDING, NEW YORK

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1.0 INTRODUCTION

P.W. Grosser Consulting, Inc. (PWGC) has prepared this report to document the results of the 2020 Indoor Air Quality (IAQ) Assessment that occurred on November 24, 2020 at 1 Shore Road, Glenwood Landing, New York. The site is currently listed as a New York State Department of Environmental Conservation (NYSDEC) Class IV inactive hazardous waste disposal site identified as I.D. No. 130034.

The site history has been documented in the prior submitted report, entitled *Periodic Review Report* (PRR) dated October 2020.

2.0 AIR SAMPLING

PWGC mobilized to the site on November 24, 2020 to perform the annual indoor air sampling during the heating season as per the 2015 Site Management Plan (SMP). Ambient indoor air monitoring is performed within the two on-site buildings to confirm that the two Sub Slab Depressurization Systems (SSDSs) are mitigating vapor intrusion; see as built designs located in **Appendix A**. Additionally, one ambient outdoor air sample is collected from an upwind location to determine the contribution of off-site Volatile Organic Chemical (VOC) sources on indoor air quality. If indoor air concentrations exceed New York State Department of Health (NYSDOH) Indoor Air Guidance Levels for PCE (30 µg/m^3) or TCE (2 µg/m^3), the source of the VOCs will need to be determined and measures may need to be implemented to mitigate the air quality.

In addition to the outlined air sampling specified in the 2015 SMP, three additional soil vapor samples were collected from three of the previously installed vacuum monitoring points as per recommendations made in PWGC's Periodic Review Report submitted to the NYSDEC in October 2020.

2.1 Vacuum Readings

Vacuum readings from the four vacuum monitoring points in the commercial space and one vacuum reading point in the residential home were collected prior to the start of the air sampling. Negative pressure was recorded in each monitoring point, which ranged from -0.014 to -0.035 inches of water column, indicating that both SSDS are sufficiently creating a vacuum beneath the two buildings.

2.2 Air Sampling

A total of six ambient air samples were collected concurrently by PWGC which included five indoor air samples (one sample from each of the four main ground floor spaces in the commercial building and one from the basement of the residential home) and one outdoor air sample. Three additional soil vapor samples were

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collected from two vacuum monitoring points in the commercial space and the vacuum monitoring point in the residential home. The vacuum monitoring points chosen to be sampled within the commercial space were based on elevated methylene chloride levels observed at those corresponding indoor air samples during the last indoor air sampling event in 2019. The sampling was performed in accordance with the site-specific SMP and the NYSDOH Vapor Intrusion Guidance.

Each of the indoor air samples was collected from a height representing the breathing zone (between three and five feet above the floor). The outdoor air sample was collected from approximately three feet above the ground and placed in the up-wind direction for that day.

Samples were collected into 2.7-liter Summa® vacuum canisters fitted with 1-hour flow controllers. The canisters were batch certified clean by the laboratory. The samples were submitted to Alpha Analytical Laboratories for analysis of VOCs by USEPA Method TO-15-SIM for the ambient air samples and TO-15 for the soil vapor samples.

A site plan illustrating the location of the sampling areas is included as **Figure 1.**

2.3 Air Sampling Results

PCE was detected in the indoor air sample (IA001) in the residential home at a concentration of 2.27 µg/m^3. This concentration is significantly less than the AGV for PCE at 30 µg/m^3. TCE was not detected at concentrations greater than laboratory detection limits in IA001. SV001 was collected from the vacuum monitoring point in the basement of the residential home and corresponds to IA001. PCE and TCE were not detected at concentrations greater than laboratory detection limits.

PCE was detected in one of the four indoor air samples (IA003) in the commercial space at 0.163 µg/m^3. This value is also significantly less than the AGV for PCE at 30 µg/m^3. TCE was not detected at concentrations greater than laboratory detection limits in the indoor ambient air samples collected in the commercial space. Methylene Chloride was detected in the four ambient indoor air samples in the commercial space. Three samples (IA002 through IA004) had detections at concentrations greater than the AGV value of 60 µg/m^3 that ranged from 102 µg/m^3 to 2,140 µg/m^3. SV002 and SV003 were collected from two of the vacuum monitoring points in the commercial space and correspond to IA003 and IA004. PCE was detected at 2.9 µg/m^3 in SV002 and 5.1 µg/m^3 in SV003. These concentrations are less than the lower sub-slab concentration range (less than 100 µg/m^3) on the

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NYSDOH matrix for PCE. TCE was not detected at concentrations greater than laboratory detection limits. Methylene Chloride was detected at a concentration of 148 µg/m^3 in SV002 and 59.1 µg/m^3 in SV003.

Sampling results are summarized on **Table 1**. The complete analytical data package is included in **Appendix B.**

2.3.1 *Air Sampling Discussion*

Generally, concentrations of PCE and TCE from the November 24, 2020 sampling event were similar to previous sampling events in the residential and commercial spaces.

PCE and TCE sub-slab concentrations beneath the residential home were not detected at concentrations greater than laboratory detection limits, indicating that a substantial source of PCE and TCE in the soil vapor does not exist. This is consistent with the overall reduction in CVOC contaminate concentrations in the groundwater beneath the site which is the source of soil vapor.

Additionally, TCE sub-slab concentrations beneath the commercial space were not detected at concentrations greater than laboratory detection limits. PCE sub-slab concentrations beneath the commercial space were relatively low (2.9 µg/m^3 and 5.1 µg/m^3). This again indicates that a substantial source of PCE and TCE in the soil vapor does not exist and is consistent with the overall reduction in CVOC contaminate concentrations in the groundwater beneath the site which is the source of soil vapor.

Methylene Chloride was detected at concentrations greater than the AGV in the commercial space in past sampling events. The first detection of methylene chloride above its respective AGV value was during the first indoor air sampling event which took place in August 2005. The commercial building was then occupied by Parabit Manufacturing. Parabit manufactured automated teller machines and stored among several chemicals, including methylene chloride.

Methylene Chloride was subsequently not detected at a concentration greater than its AGV values during the May 2006 indoor air sampling event when Parabit no longer occupied the building. It was also not detected during the annual IAQs from 2015 through 2017.

Methylene Chloride was then detected at a concentration greater than its AGV value again in April 3, 2018 and March 15, 2019 in the commercial space; as well as during this current sampling event in the commercial space. Methylene chloride is not a target compound for the historical remediation of this site.

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The current tenant in the commercial space is a wood working shop and has been present since 2018. During the chemical inventory on November 24, 2020, multiple 5-gallon containers of Formica Exterior Golden Glue was observed, as well as other open homemade containers of the substance. This substance is 70-90% Methylene Chloride by molecular weight and is believed to be the main source of the Methylene Chloride exceedances in the Indoor Air Concentrations and the Soil Vapor in the commercial space which is currently utilized as a woodworking factory. The Safety Data Sheet for Formica Exterior Golden Glue is included in **Appendix C**.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

This report documents the indoor air quality assessment performed on November 24, 2020. The assessment included the collection of vacuum reading measurements from the five onsite vacuum reading points, the collection of one indoor air and sub-slab sample in the residential home, the collection of four indoor air and two sub-slab samples in the commercial space, and collection of an outdoor air sample.

Vacuum readings from the four vacuum monitoring points in the commercial space and one vacuum reading point in the residential home were collected prior to the start of the air sampling. Negative pressure was recorded in each monitoring point, which ranged from -0.014 to -0.035 inches of water column, indicating that the two SSDS are sufficiently creating a vacuum beneath the commercial and residential buildings.

Based on the air analytical data, the current concentrations of VOCs in the indoor air at the residential home on the site does not represent a concern. The SSDS at the residential home seems to be functioning correctly and is protecting the occupants against the potential for vapor intrusion.

The SSDS at the commercial building seems to be functioning correctly and is protecting the occupants against the potential for vapor intrusion.

The elevated concentrations of Methylene Chloride seem to be emanating from the current tenant's use of Formica Exterior Golden Glue.

3.2 Recommendations

At this time, PWGC offers the following recommendations for the site:

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- Continue annual ambient indoor and outdoor monitoring with the next sampling event scheduled during the heating season in or about November 2021.

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4.0 REFERENCES

P.W. Grosser Consulting, *Site Management Plan*, 2015

P.W. Grosser Consulting, *Periodic Review Report*, October 2020

New York State Department of Health, *Vapor Intrusion Guidance*, October 2006

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FIGURES

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DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	PEN1101	Designed by:	JFC
Date:	12/18/2020	Drawn by:	TJS
Scale:	AS SHOWN	Approved by:	JFC

Air Sample Locations

1 Shore Rd
Glenwood Landing, NY

1

TABLE

Table 1
November 2020 VOC Air Analytical Data
1 Shore Road, Glenwood Landing, NY

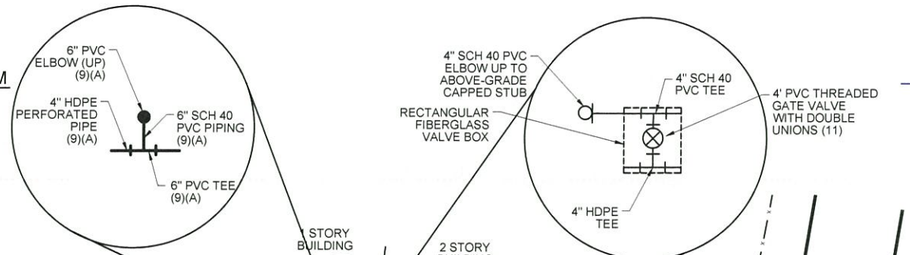
Location:	NYSDOH AGV	Residential	Commercial	Commercial	Commercial	Commercial	Residential	Commerical	Commercial	Outdoor Air
Sample ID:		IA001	IA002	IA003	IA004	IA005	SV001	SV002	SV003	OA001
Corresponding IA		N/A	N/A	N/A	N/A	N/A	IA001	IA003	IA004	N/A
Sampling Date:		11/24/2020	11/24/2021	11/24/2022	11/24/2023	11/24/2024	11/24/2025	11/24/2026	11/24/2027	11/24/2028
Lab Sample ID:		L2052671-01	L2052671-02	L2052671-03	L2052671-04	L2052671-05	L2052671-06	L2052671-07	L2052671-08	L2052671-09
Sample Type:		Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Soil Vapor	Soil Vapor	Soil Vapor	Outdoor Air
Volatile Organic Compounds (µg/m^3)										
1,1,1-Trichloroethane	NS	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	1.09 U	1.09 U	1.09 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.793 U	0.793 U	0.079 U
1,2,4-Trichlorobenzene	NS	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	0.983 U	0.983 U	1.58	0.983 U	0.983 U	2.58	3.45	0.983 U	0.983 U
1,2-Dibromoethane	NS	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	3.73	3.2	0.934 U	0.934 U
2-Butanone	NS	1.47 U	4.78	5.66	2.75	75.2	2.72	2.8	2.75	1.47 U
2-Hexanone	NS	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	2.05 U	12.8	16.9	9.92	241	2.85	4.02	8.81	2.05 U
Acetone	NS	9.67	72.5	82.7	42.5	782	12.5	16.7	41.8	3.75
Benzene	NS	0.639 U	0.811	0.751	0.639 U	0.639 U	1.82	1.79	0.639 U	0.639 U
Benzyl chloride	NS	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	0.428	0.478	0.478	0.434	0.403 U	1.26 U	1.26 U	1.26 U	0.079 U
Chlorobenzene	NS	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane	NS	0.952	1.02	0.968	0.927	0.968	1.06	0.413 U	1.04	0.977
cis-1,2-Dichloroethene	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.793 U	0.793 U	0.079 U
cis-1,3-Dichloropropene	NS	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	1.46	1.46	0.688 U	0.688 U
Dibromochloromethane	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	2.31	2.33	2.22	2.29	2.28	2.56	2.41	2.37	2.32
Ethanol	NS	11.9	136	132	113	522	49.7	70.1	45.6	9.42 U
Ethyl Acetate	NS	1.8 U	37.5	48.6	18.3	307	1.8 U	2.21	10.6	1.8 U
Ethylbenzene	NS	0.869 U	14.5	19.4	3.6	48.2	2.6	3.5	2.36	0.869 U
Freon-113	NS	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	0.82 U	0.82 U	0.82 U	0.82 U	1.73	2.98	2.9	0.82 U	0.82 U
Hexachlorobutadiene	NS	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
Isopropanol	NS	1.23 U	12.1	14.8	13	477	6.15	9.54	13.3	1.23 U
Methyl tert butyl ether	NS	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	1.74 U	2140	5490	102	16.4	31.4	148	59.1	11.6
n-Hexane	NS	0.705 U	8.11	13.7	0.705 U	1.26	3.88	4.9	1.06	0.705 U
o-Xylene	NS	0.869 U	18	23.8	4.2	43.4	2.78	3.92	2.91	0.869 U
p/m-Xylene	NS	1.74 U	73	96	19.5	202	10.6	16.6	12.6	1.74 U
Styrene	NS	0.852 U	1.51	1.47	0.852 U	4.16	0.852 U	0.852 U	0.852 U	0.852 U
Tetrachloroethene	30	2.27	0.149 U	0.163	0.136 U	0.176 U	1.36 U	2.9	5.1	0.136 U
Tetrahydrofuran	NS	1.47 U	2.21	3.07	1.47 U	1.47 U	1.47 U	1.47 U	3.01	1.47 U
Toluene	NS	6.48	186	237	108	2200	18.7	41.1	105	1.09
trans-1,2-Dichloroethene	NS	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethene	2	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	1.07 U	1.07 U	1.07 U	0.107 U
Trichlorofluoromethane	NS	1.28	1.19	1.19	1.28	1.25	1.49	1.39	1.33	1.26
Vinyl bromide	NS	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.511 U	0.511 U	0.051 U

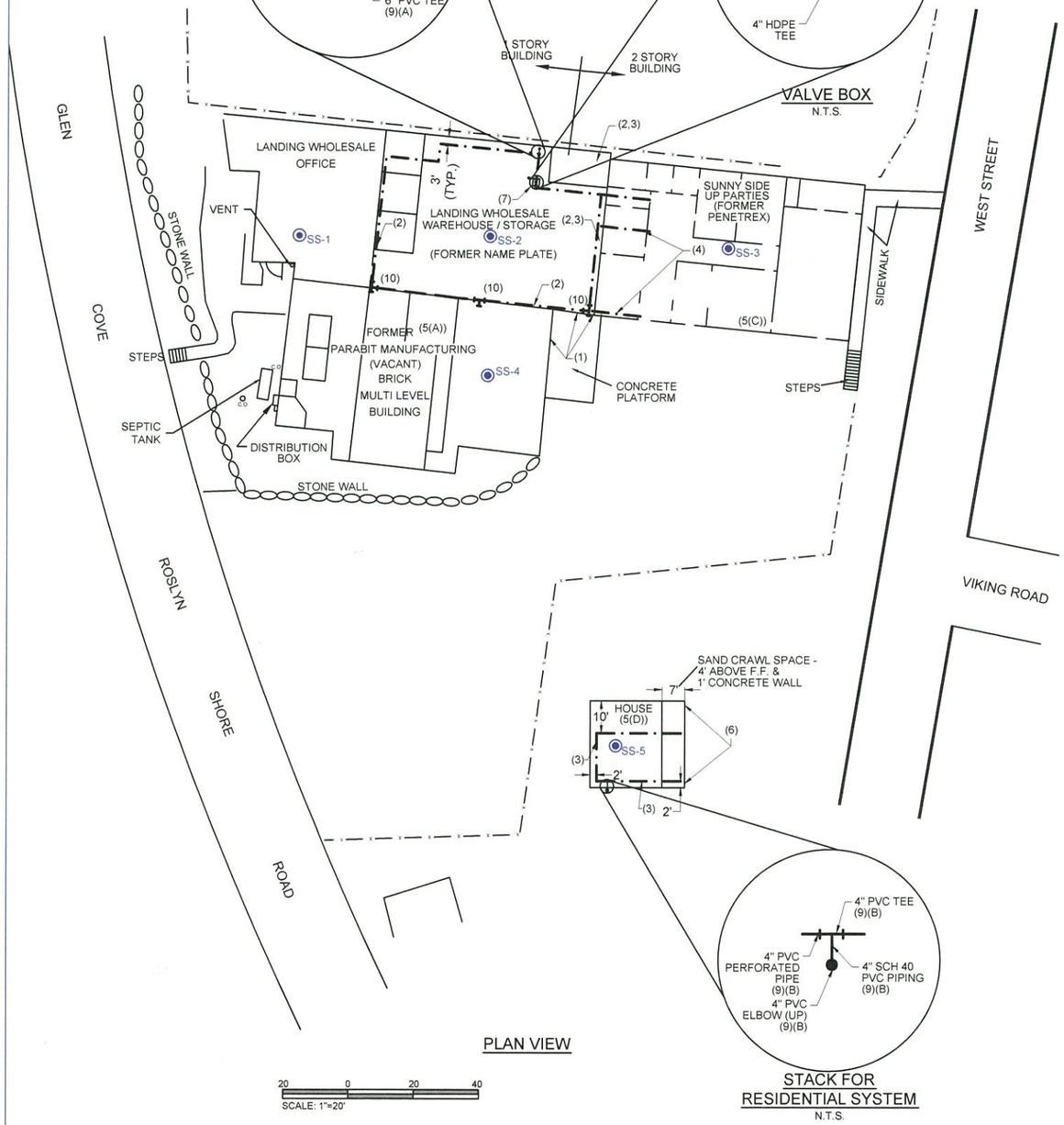
Notes:
1 - Air Guideline Values, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (applies to indoor/ambient air only)
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
Shaded text denotes indoor air concentrations exceed NYSDOH AGV

APPENDIX A

SSDS As Built Designs

STACK FOR COMMERCIAL SYSTEM
N.T.S.





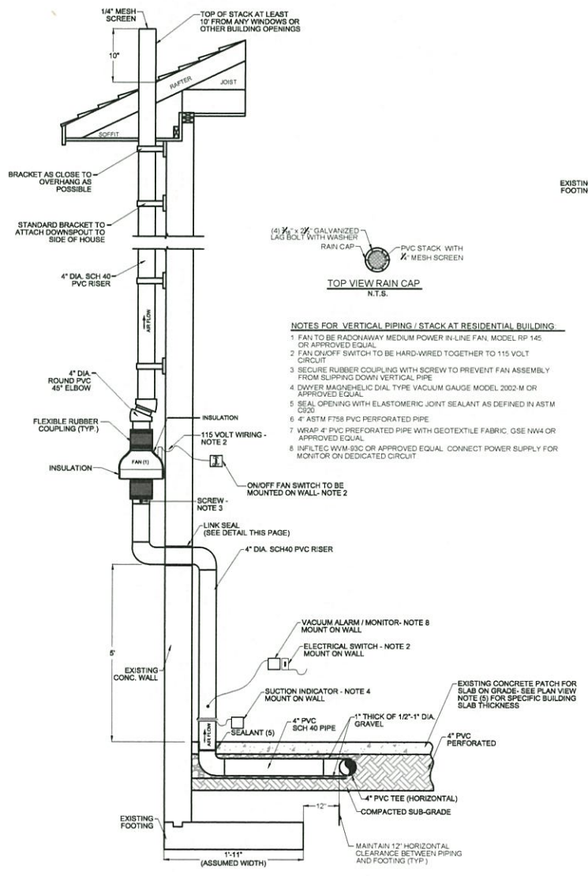
PLAN VIEW

20 0 20 40
SCALE: 1"=20'

LEGEND
- SOLID PIPE
- PERFORATED PIPE
- SS-2 SUB-SLAB VAPOR SAMPLING LOCATION

STACK FOR RESIDENTIAL SYSTEM
N.T.S.

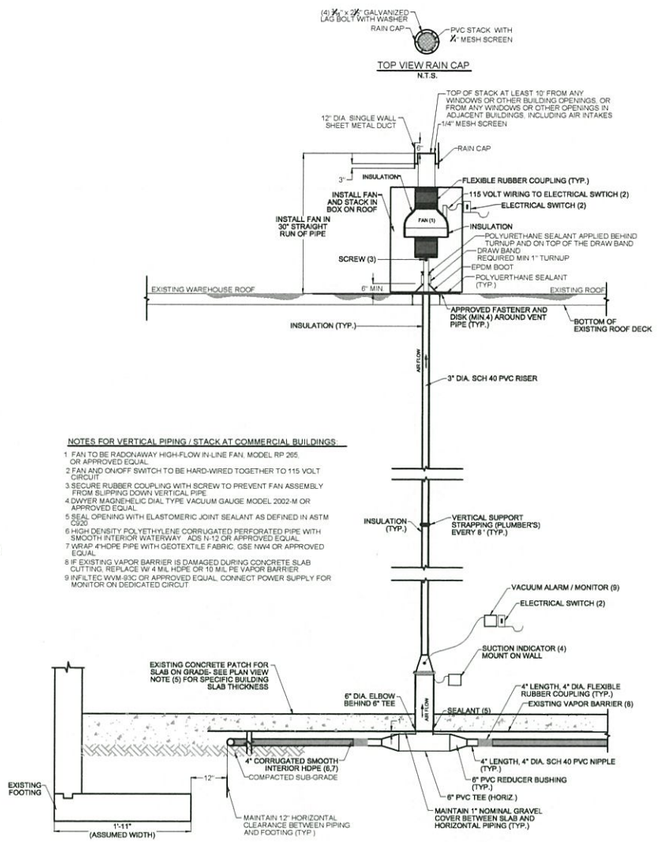
NOTES:
1. THE LAND WHOLESALE WAREHOUSE, SUNNY SIDE UP PARTIES, AND PARABIT MANUFACTURING BUILDINGS ARE ASSUMED TO HAVE SEPARATE FOUNDATIONS.
2. INSTALL HDPE PERFORATED PIPING 3' FROM INTERIOR WALL. THIS ASSUMES FOOTINGS ARE 2' WIDE, FROM THE INTERIOR WALLS, AND THEREFORE THE PIPING IS 12" INSIDE OF THE FOOTINGS.
3. INSTALL 4" DIA. SCH 40 PVC SOLID PIPE IN SAME TRENCH AS HDPE PERFORATED PIPE W/ 12" OF CLEARANCE FROM FOUNDATION WALL.
4. INSTALL 3-15' SECTIONS OF 4" PVC PERFORATED PIPE W/ CAPPED ENDS. REFER TO CONSTRUCTION DETAILS (THIS SHEET). REMOVE CYLINDRICAL SECTIONS OF SOIL WITH HIGH PRESSURE AIR TO INSTALL PIPE.
5. (A) 10" THICK EXIST. CONCRETE SLAB WITH VAPOR BARRIER. (B) 11" THICK EXIST. CONCRETE SLAB WITH VAPOR BARRIER. (C) 11" THICK EXIST. CONCRETE SLAB WITH VAPOR BARRIER. (D) 4" THICK EXIST. CONCRETE SLAB.
6. INSTALL 2-8' SECTIONS OF 4" PVC PERFORATED PIPE. REFER TO (4) ABOVE FOR INSTALLATION DETAILS.
7. INSTALL CAPPED STUB OF 4" PVC SOLID PIPE 4' ABOVE F.F. FOR POSSIBLE FUTURE CONNECTION TO STACK & FAN. FAN & STACK WILL BE INSTALLED IF CONTAMINANT CONCENTRATIONS BENEATH THE SUNNY SIDE SLAB ARE NOT REDUCED WITHIN THE TIME INDICATED BY THE SAMPLING PLAN. AT THAT TIME, THE GATE VALVE WHICH ALLOWS FLOW FROM THE SUNNY SIDE SYSTEM INTO THE LANDING SYSTEM WILL BE CLOSED, ISOLATING THE TWO SYSTEMS.
8. INSTALL 4' CAPPED STUB FOR POSSIBLE FUTURE EXPANSION ON SOUTH SIDE OF BUILDING.
9. (A) FOR DETAILS OF THE 6" PVC TEE, CONNECTING HORIZONTAL PIPING, VERTICAL PIPING, ABOVE GRADE EQUIPMENT & THE EXHAUST STACK, REFER TO SUB-SLAB DE-PRESSURIZATION SYSTEM DETAIL FOR COMMERCIAL BUILDINGS (THIS SHEET). (B) FOR DETAILS OF THE 4" PVC TEE, CONNECTING HORIZONTAL PIPING, VERTICAL PIPING, ABOVE GRADE EQUIPMENT & THE EXHAUST STACK, REFER TO SUB-SLAB DE-PRESSURIZATION SYSTEM-DETAIL FOR RESIDENTIAL BUILDING (THIS SHEET).
10. INSTALL 4" HDPE TEES FOR POSSIBLE FUTURE EXPANSION OF SYSTEM.
11. INFILTEC WVM-93C OR APPROVED EQUAL. CONNECT POWER SUPPLY FOR MONITOR ON DEDICATED CIRCUIT.



SUB-SLAB DE-PRESSURIZATION SYSTEM DETAIL FOR RESIDENTIAL BUILDING
N.T.S.

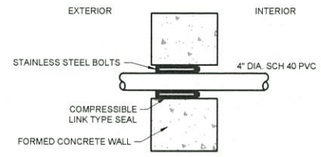
TOP VIEW RAIN CAP
N.T.S.

NOTES FOR VERTICAL PIPING / STACK AT RESIDENTIAL BUILDING
1. FAN TO BE RADONAWAY MEDIUM POWER IN-LINE FAN, MODEL RP 145 OR APPROVED EQUAL
2. FAN ON/OFF SWITCH TO BE HARD-WIRED TOGETHER TO 115 VOLT CIRCUIT
3. SECURE RUBBER COUPLING WITH SCREW TO PREVENT FAN ASSEMBLY FROM SLIPPING DOWN VERTICAL PIPE
4. DWYER MAGNEHELIC DIAL TYPE VACUUM GAUGE MODEL 2002-M OR APPROVED EQUAL
5. SEAL OPENING WITH ELASTOMERIC JOINT SEALANT AS DEFINED IN ASTM C920
6. 4" ASTM F758 PVC PERFORATED PIPE.
7. WRAP 4" PVC PREFORATED PIPE WITH GEOTEXTILE FABRIC, GSE NW4 OR APPROVED EQUAL
8. INFILTEC WVM-93C OR APPROVED EQUAL. CONNECT POWER SUPPLY FOR MONITOR ON DEDICATED CIRCUIT



NOTES FOR VERTICAL PIPING / STACK AT COMMERCIAL BUILDINGS
1. FAN TO BE RADONAWAY HIGH-FLOW IN-LINE FAN, MODEL RP 265, OR APPROVED EQUAL
2. FAN AND ON/OFF SWITCH TO BE HARD-WIRED TOGETHER TO 115 VOLT CIRCUIT
3. SECURE RUBBER COUPLING WITH SCREW TO PREVENT FAN ASSEMBLY FROM SLIPPING DOWN VERTICAL PIPE
4. DWYER MAGNEHELIC DIAL TYPE VACUUM GAUGE MODEL 2002-M OR APPROVED EQUAL
5. SEAL OPENING WITH ELASTOMERIC JOINT SEALANT AS DEFINED IN ASTM C920
6. HIGH DENSITY POLYETHYLENE CORRUGATED PERFORATED PIPE WITH SMOOTH INTERIOR WATERWAY. ADS N-12 OR APPROVED EQUAL
7. WRAP 4"HDPE PIPE WITH GEOTEXTILE FABRIC, GSE NW4 OR APPROVED EQUAL
8. IF EXISTING VAPOR BARRIER IS DAMAGED DURING CONCRETE SLAB CUTTING, REPLACE W/ 4 MIL HDPE OR 10 MIL PE VAPOR BARRIER
9. INFILTEC WVM-93C OR APPROVED EQUAL. CONNECT POWER SUPPLY FOR MONITOR ON DEDICATED CIRCUIT

SUB-SLAB DE-PRESSURIZATION SYSTEM DETAIL FOR COMMERCIAL BUILDINGS
N.T.S.



LINK TYPE SEAL DETAIL
N.T.S.

REVISIONS	DATE	INITIAL	COMMENTS

AS-BUILT SITE PLAN AND DETAILS
1 SHORE ROAD
GLENWOOD LANDING
FORMER PENETREX PROCESSING
NYSDEC I.D. No. 130034

PWGC
Strategic Environmental & Engineering Solutions
630 Johnson Ave. Suite 7 Bohemia, N.Y. 11716-2618
Ph: 631 589-6353 Fx: 631 589-8705 E-mail: info@pwgrosser.com

Project: PEN0001	Approved By: PWG	Figure No: 7
Designed By: DD	Date: 8/15/07	
Drawn By: TC/LLG	Scale: AS SHOWN	

J:\Projects M-R\Pen - Penetrex\SSDPS\FIG1 As Built.dwg

APPENDIX B

Analytical Data Package

ANALYTICAL REPORT

Lab Number:	L2052671
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Janelle Cooley
Phone:	(631) 589-8705
Project Name:	PEN1101
Project Number:	PEN1101
Report Date:	12/04/20

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

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

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2052671-01	IA001	AIR	1 SHORE RD., GLENWOOD LANDING	11/24/20 13:50	11/24/20
L2052671-02	IA002	AIR	1 SHORE RD., GLENWOOD LANDING	11/24/20 14:34	11/24/20
L2052671-03	IA003	AIR	1 SHORE RD., GLENWOOD LANDING	11/24/20 14:07	11/24/20
L2052671-04	IA004	AIR	1 SHORE RD., GLENWOOD LANDING	11/24/20 15:05	11/24/20
L2052671-05	IA005	AIR	1 SHORE RD., GLENWOOD	11/24/20 15:29	11/24/20
L2052671-06	OA001	AIR	1 SHORE RD., GLENWOOD	11/24/20 15:25	11/24/20
L2052671-07	SV001	SOIL_VAPOR	1 SHORE RD., GLENWOOD	11/24/20 13:50	11/24/20
L2052671-08	SV002	SOIL_VAPOR	1 SHORE RD., GLENWOOD	11/24/20 14:06	11/24/20
L2052671-09	SV003	SOIL_VAPOR	1 SHORE RD., GLENWOOD	11/24/20 14:34	11/24/20

Project Name:	PEN1101	**Lab Number:**	L2052671
Project Number:	PEN1101	**Report Date:**	12/04/20

Case Narrative

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

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

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

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

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

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

Project Name: PEN1101 **Lab Number:** L2052671
Project Number: PEN1101 **Report Date:** 12/04/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 23, 2020. The canister certification results are provided as an addendum.

L2052671-02: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2052671-03: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2052671-05: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

The WG1440378-3 LCS recovery for carbon tetrachloride (136%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 12/04/20

AIR

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-01
Client ID: IA001
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 13:50
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/02/20 19:11
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.467	0.200	--	2.31	0.989	--		1
Chloromethane	0.461	0.200	--	0.952	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.32	5.00	--	11.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.07	1.00	--	9.67	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-01
Client ID: IA001
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 13:50
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.72	0.200	--	6.48	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-01
Client ID: IA001
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 13:50
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-01
Client ID: IA001
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 13:50
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/02/20 19:11
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.335	0.020	--	2.27	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	90		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-02
Client ID: IA002
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:34
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/02/20 19:50
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.472	0.200	--	2.33	0.989	--		1
Chloromethane	0.496	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	72.2	5.00	--	136	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	30.5	1.00	--	72.5	2.38	--		1
Trichlorofluoromethane	0.211	0.200	--	1.19	1.12	--		1
Isopropanol	4.94	0.500	--	12.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	517	0.500	--	1800	1.74	--	E	1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.62	0.500	--	4.78	1.47	--		1
Ethyl Acetate	10.4	0.500	--	37.5	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.748	0.500	--	2.21	1.47	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-02
Client ID: IA002
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:34
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.30	0.200	--	8.11	0.705	--		1
Benzene	0.254	0.200	--	0.811	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	3.13	0.500	--	12.8	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	49.4	0.200	--	186	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	3.34	0.200	--	14.5	0.869	--		1
p/m-Xylene	16.8	0.400	--	73.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.354	0.200	--	1.51	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	4.14	0.200	--	18.0	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-02
Client ID: IA002
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:34
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140

Project Name: PEN1101 ***Lab Number:*** L2052671

Project Number: PEN1101 ***Report Date:*** 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-02
Client ID: IA002
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:34
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/02/20 19:50
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.022	0.020	--	0.149	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140

Project Name: PEN1101 ***Lab Number:*** L2052671

Project Number: PEN1101 ***Report Date:*** 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-02 D
Client ID: IA002
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:34
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/03/20 08:10
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	617	5.00	--	2140	17.4	--		10

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

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-03
Client ID: IA003
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:07
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/02/20 20:30
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.448	0.200	--	2.22	0.989	--		1
Chloromethane	0.469	0.200	--	0.968	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	69.9	5.00	--	132	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	34.8	1.00	--	82.7	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	6.03	0.500	--	14.8	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	979	0.500	--	3400	1.74	--	E	1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.92	0.500	--	5.66	1.47	--		1
Ethyl Acetate	13.5	0.500	--	48.6	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.04	0.500	--	3.07	1.47	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-03
Client ID: IA003
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:07
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.88	0.200	--	13.7	0.705	--		1
Benzene	0.235	0.200	--	0.751	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	4.13	0.500	--	16.9	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	63.0	0.200	--	237	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	4.47	0.200	--	19.4	0.869	--		1
p/m-Xylene	22.1	0.400	--	96.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.345	0.200	--	1.47	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	5.48	0.200	--	23.8	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-03
Client ID: IA003
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:07
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.321	0.200	--	1.58	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: PEN1101 ***Lab Number:*** L2052671

Project Number: PEN1101 ***Report Date:*** 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-03
Client ID: IA003
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:07
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/02/20 20:30
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.024	0.020	--	0.163	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140

Project Name: PEN1101 ***Lab Number:*** L2052671

Project Number: PEN1101 ***Report Date:*** 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-03 D
Client ID: IA003
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 14:07
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/04/20 11:23
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	1580	12.5	--	5490	43.4	--		25

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	90		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-04
Client ID: IA004
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 15:05
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/02/20 21:10
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.464	0.200	--	2.29	0.989	--		1
Chloromethane	0.449	0.200	--	0.927	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	59.9	5.00	--	113	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.9	1.00	--	42.5	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	5.28	0.500	--	13.0	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	29.3	0.500	--	102	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.934	0.500	--	2.75	1.47	--		1
Ethyl Acetate	5.08	0.500	--	18.3	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-04
Client ID: IA004
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 15:05
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.42	0.500	--	9.92	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	28.6	0.200	--	108	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.828	0.200	--	3.60	0.869	--		1
p/m-Xylene	4.50	0.400	--	19.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.968	0.200	--	4.20	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-04
Client ID: IA004
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 15:05
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: PEN1101 ***Lab Number:*** L2052671

Project Number: PEN1101 ***Report Date:*** 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-04
Client ID: IA004
Sample Location: 1 SHORE RD., GLENWOOD LANDING

Date Collected: 11/24/20 15:05
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/02/20 21:10
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-05
Client ID: IA005
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 15:29
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/02/20 21:49
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.461	0.200	--	2.28	0.989	--		1
Chloromethane	0.469	0.200	--	0.968	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	277	5.00	--	522	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	329	1.00	--	782	2.38	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
Isopropanol	194	0.500	--	477	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	4.71	0.500	--	16.4	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	25.5	0.500	--	75.2	1.47	--		1
Ethyl Acetate	85.2	0.500	--	307	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-05
Client ID: IA005
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 15:29
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.358	0.200	--	1.26	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.421	0.200	--	1.73	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	58.9	0.500	--	241	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	332	0.200	--	1250	0.754	--	E	1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	11.1	0.200	--	48.2	0.869	--		1
p/m-Xylene	46.4	0.400	--	202	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.977	0.200	--	4.16	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	10.0	0.200	--	43.4	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-05
Client ID: IA005
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 15:29
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-05
Client ID: IA005
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 15:29
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/02/20 21:49
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.064	0.020	--	0.403	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140

Project Name: PEN1101 ***Lab Number:*** L2052671

Project Number: PEN1101 ***Report Date:*** 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-05 D
Client ID: IA005
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 15:29
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/03/20 09:27
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Toluene	585	1.25	--	2200	4.71	--		6.25

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	85		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	85		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-06
Client ID: OA001
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 15:25
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/02/20 18:31
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.469	0.200	--	2.32	0.989	--		1
Chloromethane	0.473	0.200	--	0.977	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.58	1.00	--	3.75	2.38	--		1
Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	3.34	0.500	--	11.6	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-06
Client ID: OA001
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 15:25
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.288	0.200	--	1.09	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-06
Client ID: OA001
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 15:25
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-06
Client ID: OA001
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 15:25
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/02/20 18:31
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-07
Client ID: SV001
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 13:50
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/03/20 10:06
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.517	0.200	--	2.56	0.989	--		1
Chloromethane	0.513	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	26.4	5.00	--	49.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.25	1.00	--	12.5	2.38	--		1
Trichlorofluoromethane	0.265	0.200	--	1.49	1.12	--		1
Isopropanol	2.50	0.500	--	6.15	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.44	0.500	--	4.37	1.52	--		1
Methylene chloride	9.05	0.500	--	31.4	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.923	0.500	--	2.72	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-07
Client ID: SV001
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 13:50
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.10	0.200	--	3.88	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.569	0.200	--	1.82	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.423	0.200	--	1.46	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.798	0.200	--	3.73	0.934	--		1
Heptane	0.727	0.200	--	2.98	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.696	0.500	--	2.85	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.96	0.200	--	18.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.598	0.200	--	2.60	0.869	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-07
Client ID: SV001
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 13:50
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.45	0.400	--	10.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.640	0.200	--	2.78	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.525	0.200	--	2.58	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	82		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-08
Client ID: SV002
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 14:06
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/03/20 10:47
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.487	0.200	--	2.41	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	37.2	5.00	--	70.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.02	1.00	--	16.7	2.38	--		1
Trichlorofluoromethane	0.247	0.200	--	1.39	1.12	--		1
Isopropanol	3.88	0.500	--	9.54	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.46	0.500	--	7.46	1.52	--		1
Methylene chloride	42.7	0.500	--	148	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.951	0.500	--	2.80	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-08
Client ID: SV002
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 14:06
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.613	0.500	--	2.21	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.39	0.200	--	4.90	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.559	0.200	--	1.79	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.425	0.200	--	1.46	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.686	0.200	--	3.20	0.934	--		1
Heptane	0.708	0.200	--	2.90	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.981	0.500	--	4.02	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	10.9	0.200	--	41.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.427	0.200	--	2.90	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.805	0.200	--	3.50	0.869	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-08
Client ID: SV002
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 14:06
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.82	0.400	--	16.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.902	0.200	--	3.92	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.702	0.200	--	3.45	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-09
Client ID: SV003
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 14:34
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/03/20 11:26
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.479	0.200	--	2.37	0.989	--		1
Chloromethane	0.505	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	24.2	5.00	--	45.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.6	1.00	--	41.8	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	5.41	0.500	--	13.3	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	17.0	0.500	--	59.1	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.931	0.500	--	2.75	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-09
Client ID: SV003
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 14:34
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.94	0.500	--	10.6	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.02	0.500	--	3.01	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.300	0.200	--	1.06	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.15	0.500	--	8.81	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	27.8	0.200	--	105	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.752	0.200	--	5.10	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.543	0.200	--	2.36	0.869	--		1

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

SAMPLE RESULTS

Lab ID: L2052671-09
Client ID: SV003
Sample Location: 1 SHORE RD., GLENWOOD

Date Collected: 11/24/20 14:34
Date Received: 11/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.90	0.400	--	12.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.670	0.200	--	2.91	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140

Project Name: PEN1101 **Lab Number:** L2052671

Project Number: PEN1101 **Report Date:** 12/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/02/20 15:21

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09 Batch: WG1440378-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: PEN1101 **Lab Number:** L2052671

Project Number: PEN1101 **Report Date:** 12/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/02/20 15:21

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09 Batch: WG1440378-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: PEN1101 **Lab Number:** L2052671

Project Number: PEN1101 **Report Date:** 12/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/02/20 15:21

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09 Batch: WG1440378-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: PEN1101 **Lab Number:** L2052671

Project Number: PEN1101 **Report Date:** 12/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/02/20 16:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-06 Batch: WG1440379-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: PEN1101 **Lab Number:** L2052671

Project Number: PEN1101 **Report Date:** 12/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/03/20 18:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03 Batch: WG1441192-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: PEN1101 **Lab Number:** L2052671

Project Number: PEN1101 **Report Date:** 12/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/03/20 18:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03 Batch: WG1441192-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: PEN1101 **Lab Number:** L2052671

Project Number: PEN1101 **Report Date:** 12/04/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/03/20 18:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03 Batch: WG1441192-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 Batch: WG1440378-3								
Dichlorodifluoromethane	111		-		70-130	-		
Chloromethane	98		-		70-130	-		
Freon-114	106		-		70-130	-		
Vinyl chloride	109		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	109		-		70-130	-		
Chloroethane	108		-		70-130	-		
Ethanol	94		-		40-160	-		
Vinyl bromide	104		-		70-130	-		
Acetone	91		-		40-160	-		
Trichlorofluoromethane	123		-		70-130	-		
Isopropanol	90		-		40-160	-		
1,1-Dichloroethene	118		-		70-130	-		
Tertiary butyl Alcohol	97		-		70-130	-		
Methylene chloride	108		-		70-130	-		
3-Chloropropene	112		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
Freon-113	114		-		70-130	-		
trans-1,2-Dichloroethene	107		-		70-130	-		
1,1-Dichloroethane	109		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	106		-		70-130	-		
cis-1,2-Dichloroethene	116		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 Batch: WG1440378-3								
Ethyl Acetate	107		-		70-130	-		
Chloroform	118		-		70-130	-		
Tetrahydrofuran	104		-		70-130	-		
1,2-Dichloroethane	122		-		70-130	-		
n-Hexane	116		-		70-130	-		
1,1,1-Trichloroethane	130		-		70-130	-		
Benzene	112		-		70-130	-		
Carbon tetrachloride	**136**	Q	-		70-130	-		
Cyclohexane	118		-		70-130	-		
1,2-Dichloropropane	109		-		70-130	-		
Bromodichloromethane	124		-		70-130	-		
1,4-Dioxane	120		-		70-130	-		
Trichloroethene	116		-		70-130	-		
2,2,4-Trimethylpentane	117		-		70-130	-		
Heptane	112		-		70-130	-		
cis-1,3-Dichloropropene	125		-		70-130	-		
4-Methyl-2-pentanone	116		-		70-130	-		
trans-1,3-Dichloropropene	111		-		70-130	-		
1,1,2-Trichloroethane	115		-		70-130	-		
Toluene	102		-		70-130	-		
2-Hexanone	109		-		70-130	-		
Dibromochloromethane	118		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09 Batch: WG1440378-3								
Tetrachloroethene	104		-		70-130	-		
Chlorobenzene	104		-		70-130	-		
Ethylbenzene	110		-		70-130	-		
p/m-Xylene	110		-		70-130	-		
Bromoform	116		-		70-130	-		
Styrene	109		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	113		-		70-130	-		
4-Ethyltoluene	102		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Benzyl chloride	108		-		70-130	-		
1,3-Dichlorobenzene	105		-		70-130	-		
1,4-Dichlorobenzene	104		-		70-130	-		
1,2-Dichlorobenzene	104		-		70-130	-		
1,2,4-Trichlorobenzene	104		-		70-130	-		
Hexachlorobutadiene	118		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: PEN1101

Project Number: PEN1101

Lab Number: L2052671

Report Date: 12/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1440379-3								
Vinyl chloride	106		-		70-130	-		25
1,1-Dichloroethene	115		-		70-130	-		25
cis-1,2-Dichloroethene	112		-		70-130	-		25
1,1,1-Trichloroethane	121		-		70-130	-		25
Carbon tetrachloride	127		-		70-130	-		25
Trichloroethene	114		-		70-130	-		25
Tetrachloroethene	100		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03 Batch: WG1441192-3								
Dichlorodifluoromethane	109		-		70-130	-		
Chloromethane	97		-		70-130	-		
Freon-114	107		-		70-130	-		
Vinyl chloride	109		-		70-130	-		
1,3-Butadiene	108		-		70-130	-		
Bromomethane	112		-		70-130	-		
Chloroethane	111		-		70-130	-		
Ethanol	93		-		40-160	-		
Vinyl bromide	108		-		70-130	-		
Acetone	91		-		40-160	-		
Trichlorofluoromethane	**131**	Q	-		70-130	-		
Isopropanol	93		-		40-160	-		
1,1-Dichloroethene	122		-		70-130	-		
Tertiary butyl Alcohol	99		-		70-130	-		
Methylene chloride	110		-		70-130	-		
3-Chloropropene	114		-		70-130	-		
Carbon disulfide	103		-		70-130	-		
Freon-113	118		-		70-130	-		
trans-1,2-Dichloroethene	110		-		70-130	-		
1,1-Dichloroethane	112		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	112		-		70-130	-		
cis-1,2-Dichloroethene	118		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03 Batch: WG1441192-3								
Ethyl Acetate	113		-		70-130	-		
Chloroform	121		-		70-130	-		
Tetrahydrofuran	106		-		70-130	-		
1,2-Dichloroethane	127		-		70-130	-		
n-Hexane	114		-		70-130	-		
1,1,1-Trichloroethane	128		-		70-130	-		
Benzene	110		-		70-130	-		
Carbon tetrachloride	**135**	Q	-		70-130	-		
Cyclohexane	115		-		70-130	-		
1,2-Dichloropropane	110		-		70-130	-		
Bromodichloromethane	125		-		70-130	-		
1,4-Dioxane	121		-		70-130	-		
Trichloroethene	117		-		70-130	-		
2,2,4-Trimethylpentane	116		-		70-130	-		
Heptane	112		-		70-130	-		
cis-1,3-Dichloropropene	123		-		70-130	-		
4-Methyl-2-pentanone	115		-		70-130	-		
trans-1,3-Dichloropropene	111		-		70-130	-		
1,1,2-Trichloroethane	113		-		70-130	-		
Toluene	102		-		70-130	-		
2-Hexanone	111		-		70-130	-		
Dibromochloromethane	119		-		70-130	-		
1,2-Dibromoethane	106		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03 Batch: WG1441192-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	103		-		70-130	-		
Ethylbenzene	110		-		70-130	-		
p/m-Xylene	113		-		70-130	-		
Bromoform	119		-		70-130	-		
Styrene	110		-		70-130	-		
1,1,2,2-Tetrachloroethane	111		-		70-130	-		
o-Xylene	115		-		70-130	-		
4-Ethyltoluene	103		-		70-130	-		
1,3,5-Trimethylbenzene	93		-		70-130	-		
1,2,4-Trimethylbenzene	109		-		70-130	-		
Benzyl chloride	113		-		70-130	-		
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
1,2,4-Trichlorobenzene	106		-		70-130	-		
Hexachlorobutadiene	118		-		70-130	-		

Project Name: PEN1101 **Lab Number:** L2052671

Project Number: PEN1101 **Report Date:** 12/04/20

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2052671-01	IA001	01923	Flow 2	11/23/20	336482		-	-	-	Pass	36.0	37.9	5
L2052671-01	IA001	3406	2.7L Can	11/23/20	336482	L2049685-01	Pass	-29.4	-2.0	-	-	-	-
L2052671-02	IA002	01690	Flow 2	11/23/20	336482		-	-	-	Pass	36.0	38.8	7
L2052671-02	IA002	3202	2.7L Can	11/23/20	336482	L2049685-01	Pass	-29.7	-2.0	-	-	-	-
L2052671-03	IA003	01112	Flow 2	11/23/20	336482		-	-	-	Pass	36.0	38.7	7
L2052671-03	IA003	3034	2.7L Can	11/23/20	336482	L2049685-01	Pass	-29.6	-4.4	-	-	-	-
L2052671-04	IA004	0192	Flow 3	11/23/20	336482		-	-	-	Pass	36.0	36.7	2
L2052671-04	IA004	2241	2.7L Can	11/23/20	336482	L2049685-01	Pass	-29.7	-3.3	-	-	-	-
L2052671-05	IA005	01821	Flow 2	11/23/20	336482		-	-	-	Pass	36.0	39.8	10
L2052671-05	IA005	2038	2.7L Can	11/23/20	336482	L2049685-01	Pass	-29.4	-2.0	-	-	-	-
L2052671-06	OA001	0806	Flow 2	11/23/20	336482		-	-	-	Pass	36.0	40.7	12
L2052671-06	OA001	2868	2.7L Can	11/23/20	336482	L2049685-01	Pass	-29.7	-1.9	-	-	-	-
L2052671-07	SV001	01499	Flow 2	11/23/20	336482		-	-	-	Pass	36.0	40.2	11
L2052671-07	SV001	3174	2.7L Can	11/23/20	336482	L2049685-01	Pass	-29.5	-3.8	-	-	-	-
L2052671-08	SV002	01925	Flow 2	11/23/20	336482		-	-	-	Pass	36.0	41.8	15

Project Name: PEN1101 **Lab Number:** L2052671

Project Number: PEN1101 **Report Date:** 12/04/20

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2052671-08	SV002	2991	2.7L Can	11/23/20	336482	L2049685-01	Pass	-29.4	-1.3	-	-	-	-
L2052671-09	SV003	01007	Flow 2	11/23/20	336482		-	-	-	Pass	36.0	39.3	9
L2052671-09	SV003	126	2.7L Can	11/23/20	336482	L2049685-01	Pass	-29.5	-3.3	-	-	-	-

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

Lab Number: L2049685
Report Date: 12/04/20

Air Canister Certification Results

Lab ID: L2049685-01
Client ID: CAN 485 SHELF 18
Sample Location:

Date Collected: 11/10/20 16:00
Date Received: 11/11/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/16/20 18:47
Analyst: RY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2049685
Report Date: 12/04/20

Air Canister Certification Results

Lab ID: L2049685-01
Client ID: CAN 485 SHELF 18
Sample Location:

Date Collected: 11/10/20 16:00
Date Received: 11/11/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2049685
Report Date: 12/04/20

Air Canister Certification Results

Lab ID: L2049685-01
Client ID: CAN 485 SHELF 18
Sample Location:

Date Collected: 11/10/20 16:00
Date Received: 11/11/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2049685
Report Date: 12/04/20

Air Canister Certification Results

Lab ID: L2049685-01
Client ID: CAN 485 SHELF 18
Sample Location:

Date Collected: 11/10/20 16:00
Date Received: 11/11/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
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Date Received: 11/11/20
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
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Air Canister Certification Results

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Sample Location:

Date Collected: 11/10/20 16:00
Date Received: 11/11/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/16/20 18:47
Analyst: RY

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

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

Lab Number: L2049685
Report Date: 12/04/20

Air Canister Certification Results

Lab ID: L2049685-01
Client ID: CAN 485 SHELF 18
Sample Location:

Date Collected: 11/10/20 16:00
Date Received: 11/11/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2049685

Project Number: CANISTER QC BAT **Report Date:** 12/04/20

Air Canister Certification Results

Lab ID: L2049685-01
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Sample Location:

Date Collected: 11/10/20 16:00
Date Received: 11/11/20
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: PEN1101
Project Number: PEN1101

Lab Number: L2052671
Report Date: 12/04/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2052671-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2052671-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2052671-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2052671-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2052671-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2052671-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2052671-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2052671-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2052671-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	PEN1101	**Lab Number:**	L2052671
Project Number:	PEN1101	**Report Date:**	12/04/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	PEN1101	**Lab Number:**	L2052671
Project Number:	PEN1101	**Report Date:**	12/04/20

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	PEN1101	**Lab Number:**	L2052671
Project Number:	PEN1101	**Report Date:**	12/04/20

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

ALPHA ANALYTICAL — CHAIN OF CUSTODY

PAGE ____ OF ____

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

Date Rec'd in Lab: 11/25/20

ALPHA Job #: L2052671

Client Information

Client: PWGC
Address: 630 Johnson Ave
Bohemia, NY 11716
Phone: (631) 589-6353
Fax:
Email: jcooley@pwgusser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: PEN1101
Project Location: 1 Shore Rd., Glenhead
Project #: PEN1101
Project Manager: J. Cooley
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
52671-01	IA001	11/24/20	12:53	13:50	-29.4	-4.09	AA	MM	2.7	3406	01403	X						
-02	IA002	11/24/20	13:23	14:34	-29.7	-15.88	AA	MM	2.7	3323	01690	X						
-03	IA003	11/24/20	13:13	14:07	-29.6	-6.15	AA	MM	2.7	3034	01112	X						
-04	IA004	11/24/20	14:05	15:05	-29.7	-5.18	AA	MM	2.7	2941	01192	X						
-05	IA005	11/24/20	14:31	15:29	-29.4	-4.13	AA	MM	2.7	2035	01521	X						
-06	OA001	11/24/20	14:36	15:25	-29.7	-3.67	AA	MM	2.7	2803	00826	X						
-07	SV001	11/24/20	12:53	13:50	-29.5	-6.20	SV	MM	2.7	3174	01409	X						
-08	SV002	11/24/20	13:10	14:06	-29.4	-3.34	SV	MM	2.7	2941	01435	X						
-09	SV003	11/24/20	13:38	14:34	-29.5	-5.50	SV	MM	2.7	1260	01007	X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
Matthew Merrill	11/24/20 18:21	RBIR AAL	11/24/20 1821
RBIR AAL	11/24/20 2030		
			11/25/20 0200

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)

APPENDIX C

Safety Data Sheet

SECTION 1: IDENTIFICATION

Manufacturer	**Choice Adhesives**	
Address	**666 Redna Terrace, Suite 600 Cincinnati, OH 45215**	**2500 Carroll Avenue Lynchburg, VA 24501**
Information Telephone Number	**513-772-1234**	**434-847-5671**
Emergency Contact Number:	**800-424-9300 (CHEMTREC)**	
Recommended Use	Adhesive	

SECTION 2: HAZARD(S) IDENTIFICATION

Classifications

Skin Irritation: Category 2
Eye Damage: Category 2A
Carcinogenicity: Category 2
STOT Single Exposure: Category 3

Pictograms

GHS Signal Word

WARNING!

Hazard Statements

Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
May cause drowsiness or dizziness.

Precautionary Statements

Do not handle until all safety precautions have been read and understood.
IF exposed or concerned: Get medical attention.
Avoid breathing vapors. Use in a well-ventilated area.
IF INHALED: Call a doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing
IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash skin with plenty of water. If skin irritation occurs: Get medical attention.

Potential Health Effects

Principal Routes of Exposure: Inhalation, skin absorption, eye contact

Acute Effects

Eye:	Contact with eyes may cause irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling and eye damage.
Skin:	May cause skin irritation and/or dermatitis. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of skin.
Inhalation:	Breathing high concentrations of vapors may cause irritation of the nose and throat or signs of nervous system depression (e.g., headache, nausea, drowsiness, dizziness, vomiting, loss of coordination and fatigue)
Ingestion:	Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression
Chronic Effects	Avoid repeated exposure. May cause blood damage. Repeated contact may cause allergic reactions in very susceptible persons.
Aggravated Medical Conditions	Pre-existing eye, skin or respiratory disorders may be aggravated by exposure to this product.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Designation	CAS No.	% by Weight
Methylene chloride	75-09-2	70 - 90%

Any remaining ingredients (to comprise 100% of the product) should be considered a proprietary blend of non-hazardous substances, or materials below threshold reporting limits.

SECTION 4: FIRST AID MEASURES

General Advice	Show this safety data sheet to the doctor in attendance
Eyes	Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash affected areas thoroughly with mild soap. If skin irritation persists, get immediate medical attention.
Inhalation	Move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen and get immediate medical attention.
Ingestion	Do not induce vomiting seek immediate medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.
Notes to Physician	Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media	Carbon dioxide, dry chemicals, foam. Water may be helpful in keeping adjacent containers cool; avoid spreading the liquid with water used for cooling. Water-based sprinkler systems may help contain larger fires.
Special Protective Equipment and firefighting procedures	Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific hazards arising from the	Closed containers may rupture if exposed to fire or extreme heat. May produce

chemical toxic fumes if burning.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for Clean-up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Other Information None known.

SECTION 7: HANDLING & STORAGE

Handling Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from extremes of heat or cold. Keep in properly labeled containers.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Note: Any items listed in the above with workplace control parameters which are not listed in section 3 are below threshold reporting values.

REL - Recommended Exposure Limits
TLV - Threshold Limit Value

Exposure Limits

Components with workplace control parameters:

Hazardous Components	OSHA PEL	ACGIH TLV
Methylene chloride	25	50

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eyes/Face Safety goggles or glasses, or full face shield.

Skin Protective gloves and impervious clothing. Consult the glove/clothing manufacturer for proper selection of materials.

Respiratory In operations where exposure limits are exceeded, use a NIOSH-approved respirator that has been selected by a technically qualified person for the specific work conditions.

Hygiene Practices Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using, do not eat,

drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green liquid.	**Upper Flammability/Explosive Limit**	N/A
Oxidizing Properties	No Data Available	**Lower Flammability/Explosive Limit**	N/A
Odor	Characteristic odor.	**Vapor Pressure mm Hg**	Not available
Odor Threshold	No Data Available	**Vapor Density**	Heavier than air
pH Value	No Data Available	**Bulk Density (lb/gal)**	10.03
Melting Point / Freezing Point	No Data Available	**VOC Content (g/L)**	0
Boiling Point	104.0 °F [40.0 °C]	**VOC Less Water & Exempts (g/L)**	0
Non-Volatile (wt%)	26.17	**Specific Gravity (g/l)**	1.204
Flash Point	Not applicable	**Auto-Ignition Temperature**	No Data Available
Explosive Properties	No Data Available	**Decomposition Temperature**	No Data Available
Evaporation Rate	Faster than nBuAc	**Partition Coefficient**	No Data Available
Flammability (solids)	No Data Available	**Viscosity**	No Data Available
Solubility in Water	Insoluble		

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions. Hazardous polymerization does not occur.

Possibility of Hazardous Reactions None under normal conditions of use.

Conditions to Avoid Keep away from open flames, hot surfaces, static electricity and sources of ignition. Avoid extremes of heat or cold.

Materials to Avoid Incompatible with strong acids and bases, alkali metals, halogens, and strong oxidizing agents.

Hazardous Decomposition Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide, carbon dioxide, smoke, and other unidentified organic compounds may be formed during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Numerical Measures of Toxicity for Individual Components

Likely Routes of Exposure

Inhalation, skin absorption, eye contact.

Acute Toxicity	Oral: No data; Skin: No data; Inhalation: No data	**Sensitization**	Respiratory: No data; Skin: No data
Irritation	Skin: Category 2	**Mutagenicity**	No data
Reproductive Toxicity	No data	**Aspiration Hazards**	No data

Specific Target Organ Toxicity - Single Exposure Category 3

Specific Target Organ Toxicity - Repeated Exposure No data

Chronic Toxicity / Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen. If no ingredients are listed below, then there are no known classifications.

Component	IARC	NTP	OSHA
Methylene chloride	Listed	Listed	Listed

SECTION 12: ECOLOGICAL INFORMATION

The information and data for components are listed individually for areas of ecological consideration below.

Aquatic Toxicity

Acute and prolonged toxicity to fish:	No Data Available
Acute toxicity to aquatic invertebrates:	No Data Available
Environmental fate and pathways:	No Data Available

Persistence and Degradability	No Data Available	**Mobility in Soil**	No Data Available
Bioaccumulative Potential	No Data Available	**Other Adverse Effects**	No Data Available

SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal Method

Dispose of in accordance with all applicable local, state, and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

SECTION 14: TRANSPORT INFORMATION

The shipping classification in this section is meant as a guide to overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under 49 CFR, IATA and IMDG to assure regulatory compliance.

REGULATION	DESCRIPTION
DOT	
Proper Shipping Name	Unregulated
Technical Name	Not available
Hazard Class	
UN Number	
Packing Group	
Placards	

ICAO / IATA	No Data Available
IMDG / IMO	No Data Available

SECTION 15: REGULATORY INFORMATION

US TSCA Yes All components are listed or exempt.

Canada DSL Yes All components are listed or exempt.

OSHA Regulatory Status Not hazardous

SARA 313 Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Designation	CAS Number	Weight %
Methylene chloride	75-09-2	70 90%

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)

Chemical Designation	CAS Number	Weight %
Methylene chloride	75-09-2	70 90%

State Regulations

California Prop. 65

This product contains one or more chemicals known to the state of California to cause cancer and/or reproductive harm. Unless chemical names are listed below, these chemicals are present only in trace amounts. www.P65Warnings.ca.gov

Chemical Name	CAS Number
Methylene chloride	75-09-2
Naphthalene	90-20-3

SECTION 16: OTHER INFORMATION

NFPA is a Health, Flammability and Reactivity rating: 210B

4 SEVERE HAZARD, 3 SERIOUS HAZARD, 2 MODERATE HAZARD, 1 SLIGHT HAZARD, 0 MINIMAL HAZARD, * Chronic Hazard

Date Printed 07/10/2020 SDS Review Date 09/21/2018

DISCLAIMER

The above Information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy his self that the product is entirely suitable for his purposes.

***** **END OF SAFETY DATA SHEET** *****