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Subject:

Site Characterization Report
Former 51st Street Terminal
Facility ID No. 51-10420
Incident No. 56662
1630-1646 South 51st Street
Philadelphia, Pennsylvania

ELECTRONIC MAIL

Date:

November 3, 2022

Dear Ms. Flannery:

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Our ref:

30108678

Arcadis U.S., Inc. (Arcadis) has been retained by the current property owner, Alliance 51st Street LLC (Alliance), to prepare this Site Characterization Report for Incident No. 56662 associated with the former above ground storage tanks (ASTs) located at 1630 South 51st Street in Philadelphia, Pennsylvania ("Site" or "Property"). Alliance purchased the Property in December 2022 from PBF Logistics Terminals LLC (PBF Logistics). The Site had been used as a fuel oil terminal from as early as 1951 by Allied Oil Co. (Allied) and later Hess Oil & Chemical Corporation. The Site was sold in 2009 to Plains Product Terminals LLC and then in 2016 to PBF Logistics.

In 2021, PBF Logistics closed the ASTs on the Site with notice to the Pennsylvania Department of Environmental Protection (PADEP). As part of the closure activities, PBF Logistics removed all liquids and sludge from the tanks and lines, and removed the ASTs and lines from the Site. After removal PBF Logistics performed soil sampling under the tanks and associated piping. These activities took place from early August to the end of September 2021. During the closure activities, PBF Logistics identified a release of an unknown quantity of petroleum on August 16, 2021, and notified PADEP of the release on August 17, 2021. The release impacted soil at the Site which was subsequently excavated by PBF Logistics. An AST Closure Report was submitted by PBF Logistics to PADEP on December 15, 2021, prior to the sale of the Site.

On February 9, 2022, Alliance submitted a Notice of Intent to Remediate (NIR) under the Act 2 Program to obtain a release of liability for the contaminants identified on the Site associated with the previous operations of the ASTs and potentially other contaminants. Subsequent to the receipt of the NIR, the PADEP indicated that the previous owner, PBF Logistics, was required to submit a Site Characterization Report for the closures of the ASTs at the Site by February 13, 2022, in response to the August spill report. Since the NIR already had been submitted, Alliance requested that

the requirements for the Site Characterization Report be included with the Act 2 activities. However, the PADEP did not accept this approach and issued a Notice of Violation (NOV) to Alliance on June 8, 2022. This report is being submitted in response to the NOV to fulfill the requirements of the Site Characterization Report. This report includes a description of the AST closure investigation activities completed by PBF Logistics and the delineation activities completed by Alliance prior to the acquisition of the Site. In addition, as requested by PADEP, the report provides a summary of the ongoing Act 2 investigation activities in the area of the former ASTs.

BACKGROUND

The Site occupies approximately 12.0 acres in a commercial/industrial area of Philadelphia. Currently there are approximately 2,100 square feet of improvements – an approximately 1,000 square foot garage/electrical building, an approximately 750 square foot guard house, and an approximately 350 square foot miscellaneous structure. An oil water separator system and former tank truck loading area also are present on the Site.

Based on a review of historical documents, the Site appeared to be used as early as 1923 for the storage of lumber by a neighboring cabinet manufacturer. Between 1923 and 1945, a 45,000 square foot building was constructed in the northeast portion of the Site for the manufacture of cardboard containers. Between 1951 and 1975, ten ASTs were constructed as part of the operations of the Site as a fuel oil terminal by Allied Oil Co. (Allied) and later Hess Oil & Chemical Corporation. The Site was sold in 2009 to Plains Product Terminals LLC. In 2016, PBF Logistics acquired the Site. PBF Logistics demolished and removed the ASTs from the Site and performed soil sampling around the tanks and associated piping from early August to the end of September 2021. PBF Logistics submitted an AST Closure Report to PADEP on December 15, 2021. Alliance purchased the Property at the end of December 2022 from PBF Logistics and entered the Site in the Act 2 Program in February 2022.

A Site Location Map is included as Figure 1 and a Site Plan is included as Figure 2.

AST CLOSURE ACTIVITIES

In 2021, Stantec Consulting Services, Inc. (Stantec) performed the closure of twelve ASTs for PBF Logistics at the 51st Street Terminal. The ASTs were demolished and removed from the Site and the AST closure sampling was performed in August and September 2021. The AST Closure Report was submitted to PADEP on December 15, 2021.

With the exception of the tank bottom sampling conducted at one AST, former tank TK-7551, the AST closure sampling was performed in accordance with the applicable PADEP AST Closure Guidance documents and the Work Plan for AST Closure Activities – Greater Than 90 Feet in Diameter dated June 21, 2021. At former tank TK-7551, Stantec initially attempted to collect the tank bottom samples via hand auger after removal of the tank but encountered refusal. Stantec mobilized a mini excavator to collect the tank bottom samples and identified a compacted concrete layer at approximately 2 to 2-1/2 feet below ground surface (bgs). Stantec then mobilized a full-size backhoe to attempt to collect the tank bottom samples at the prescribed depth of 5 feet bgs, but again encountered refusal and could not collect the samples. Stantec then contacted the PADEP for guidance on collecting the tank bottom samples based

on the field conditions and refusal encountered. The PADEP agreed that the collection of the tank bottom soil samples from just above the concrete layer at the location of former tank TK-7551 was acceptable. Stantec subsequently collected the appropriate number of tank bottom samples between 2 to 2-1/2 bgs. The initial review of the results identified lead, benzene, 1,2,4-trimethylbenzene and benzo(a)pyrene at concentrations exceeding the PADEP non-residential direct contact soil MSCs or soil to groundwater MSCs in effect at the time. However, with the change in PADEP MSCs in November 2021, only lead and benzene were detected above the MSCs. Lead was detected at 17 locations at concentrations above the soil to groundwater MSC and three locations above the non-residential direct contact soil MSC. Benzene was detected at three locations at concentrations above the soil to groundwater MSC. The concentrations of 1,2,4-trimethylbenzene and benzo(a)pyrene were below the updated MSCs.

Copies of the tables and figures summarizing the results from the December 15, 2021, AST Closure Report are provided in Appendix A for reference. Based on these results, Arcadis performed investigation activities at the Site during the due diligence review of the Property to delineate the extent of the impacts. The delineation activities included soil and groundwater sampling as discussed below.

DELINEATION INVESTIGATION ACTIVITIES

During the due diligence review of the Property, Arcadis performed soil and groundwater investigation activities to delineate the impacts identified in the soil during the AST closure sampling and evaluate the potential impacts to the groundwater.

Geophysical Survey

A geophysical survey was conducted by GeoSeek LLC (GeoSeek) on October 22, 2021, of the areas of the Property slated for sampling, to clear utilities in the proposed boring locations at the Site. The investigation included the use of electromagnetic (EM) terrain conductivity measurement, metal detection, ground penetrating radar (GPR) and utility location equipment. Following the completion of the geophysical survey, the soil borings and temporary well point installation activities were initiated.

Soil Investigation

Sample Collection

Former Tank Farm Areas

On October 22, 2021, four (4) soil borings were installed around the former tank farm areas at the Site. The soil borings were advanced by Hawk Drilling, Inc. (Hawk) of Hampton, New Jersey, a licensed Pennsylvania drilling company, using Geoprobe direct-push drilling techniques. The borings were installed to vertically delineate the exceedances of the soil non-residential contact MSCs for lead and benzo(a)pyrene (based on previous PADEP MSC) identified at the Site during the AST Closure activities. Borings were installed at previous locations 1044-P4, 2040-P2 and Pipe-22 to delineate lead and location 941-Center to delineate benzo(a)pyrene. Each soil boring, with the exception of 2040-P2, was installed to the water table, which ranged in depth from 7 feet bgs at 1044-P4 to 13.5 feet bgs at Pipe-22. Soil boring 2040-P2 and several immediately surrounding locations had consistent refusal at 5 feet bgs. Samples

were collected from the first 6 inches of soil above the water table or refusal and submitted under chain of custody protocol to a Pennsylvania certified laboratory for analysis for lead or benzo(a)pyrene, depending on the sampling location.

During the sampling, Arcadis personnel screened each boring for the presence of contamination using a photoionization detector (PID) and visual/olfactory observations. There were no signs of obvious contamination or odors, and the PID readings were minimal, ranging from non-detect to 2.1 ppm.

After completion of the soil investigation, the boreholes were backfilled with the drill cuttings. The sampling locations are illustrated on Figure 2 and the boring logs are provided in Appendix B.

Former Tank TK-7551 Area

During the temporary well point installation activities, elevated PID detections, soil staining, and odors were observed in the soil cuttings from TW-1 located adjacent to former tank TK-7551. TW-1 was installed at former soil sample location 7551-P6 which contained benzene at a concentration above the non-residential soil to groundwater MSC and 1,2,4-trimethylbenzene at a concentration above the previous PADEP non-residential soil to groundwater MSC.

Due to the elevated PID detections and odors, seven (7) soil borings, SB-101 through SB-107, were installed on October 25, 2021, within the containment area of former tanks TK-7550 and TK-7551 to determine the extent of the impacted area. The soil borings were advanced by Hawk using Geoprobe direct-push drilling techniques. Each soil boring was installed to 5 feet bgs. Samples were collected from each boring at the 6 inches of soil that corresponded to the highest PID reading and submitted under chain of custody protocol to a Pennsylvania certified laboratory for analysis for volatile organic compounds.

During the sampling, Arcadis personnel screened each boring for the presence of contamination using a PID and visual/olfactory observations. Each boring showed signs of black soil staining with odors. SB-101 through SB-104 on the western side of the containment area had soils that were stained yellowish green and had odors. Generally, these borings exhibited the greatest PID detections, with SB-103 exhibiting the highest detection of 1,501 ppm. The borings to the east had lower PID readings.

After completion of the soil sampling, the boreholes were backfilled with the drill cuttings. The sampling locations are illustrated on Figure 2 and the boring logs are provided in Appendix B.

Analytical Results

Former Tank Farm Areas

The analysis of samples 1044-P4 (6.5-7) and 2040-P2 (4.5-5) for lead identified concentrations of 226 mg/kg and 2.12 mg/kg, respectively. The concentrations are below the applicable non-residential soil MSCs. Analysis of sample Pipe 22 (13-13.5) identified 1,520 mg/kg of lead which is above the non-residential soil to groundwater MSC of 450 mg/kg but below the non-residential direct contact MSC of 190,000 mg/kg. Benzo(a)pyrene was not detected in sample 941 Center.

The sample results are summarized in Table 1. The laboratory report is provided in Appendix C.

Former Tank TK-7551 Area

Low levels of various VOCs were detected in the samples. With the exception of benzene, the concentrations were below the most stringent soil MSCs. In SB-105 (4.5-5), benzene was detected at 1.8 mg/kg which exceeds the non-residential soil to groundwater MSC of 0.5 mg/kg. Non-targeted tentatively identified compounds (TICs) were detected at concentrations ranging from 0.0568 mg/kg in SB-102 (2.5-3) to 379 mg/kg in SB-103 (4.5-5). The elevated TIC concentrations in SB-103 correspond to the elevated PID readings observed in SB-103 during sampling.

In reviewing the 2021 soil vapor intrusion screening values, the concentrations of benzene in SB-101 (1.5-2) and SB-105 (4.5-5) also exceed the non-residential soil statewide health standard vapor intrusion screening values criteria of 0.13 mg/kg.

The analysis for base neutral compounds in SB-103 (4.5-5) and SB-105 (4.5-5) identified various compounds at concentrations below the most stringent soil MSCs with the exception of bis(2-chloroethyl)ether. Bis(2-chloroethyl)ether was detected in SB-103 (4.5-5) at a concentration of 1.2 mg/kg which exceeds the non-residential soil to groundwater MSC of 0.076 mg/kg.

The sample results are summarized in Table 2. The laboratory report is provided in Appendix C.

Groundwater Investigation

Sample Collection

Temporary Monitoring Wells

On October 22, 2021, Arcadis supervised the installation of five (5) temporary monitoring wells at the Site. The temporary monitoring wells were installed by Hawk using Geoprobe direct-push drilling techniques. The temporary monitoring wells (TW-1, TW-2, TW-3, TW-4, and TW-5) were installed to investigate if the exceedances of the soil to groundwater MSCs resulted in groundwater impacts. Temporary wells TW-1 to TW-3 were installed at the locations where the highest soil concentrations previously were detected for each constituent during the AST Closure activities. Temporary well TW-1 was installed at previous soil sample location 7551-P6; TW-2 was installed at location 2040-P2; and TW-3 was installed in the vicinity of locations Pipe 7 and Pipe-8. Temporary wells TW-4 and TW-5 were installed along the anticipated downgradient property boundary.

Each well, with the exception of TW-1, was installed to a depth of 15 feet bgs. TW-1 was installed to a depth of 10 feet bgs due to a shallower depth to groundwater. The wells were constructed with 10 feet of 1-inch pre-packed slotted screen installed between 5 feet to 15 feet bgs (TW-1 was screened from grade to 10 feet bgs), and 1-inch riser from 5 feet bgs to grade.

During the installation of the temporary wells, Arcadis personnel screened each boring for the presence of contamination using a PID and visual/olfactory observations. TW-1 had elevated PID readings up to 550 ppm as well as odors. The remaining temporary wells showed no signs of obvious contamination or odors, and the PID readings were minimal. From 0 to 15 feet bgs, the soil generally consisted of brown to black fine silty sands with sub-rounded gravel poorly sorted. Groundwater was encountered at a depth of approximately 3 feet bgs in TW-1 to 13 feet bgs in TW-3.

Groundwater samples were collected from the temporary wells using a peristaltic pump and dedicated tubing. The wells were purged prior to sampling and typical field parameters including but not limited to pH, oxygen reduction potential, temperature, turbidity, dissolved oxygen and specific conductance were recorded for the wells. Samples collected for metals analysis were field filtered with a 0.5-micron filter. During the sampling activities, the groundwater in TW-1 and TW-5 had a yellow color, even after the samples were filtered, and an odor. TW-4 was not able to be sampled due to the well not producing water over a 72-hour time period.

The groundwater samples were submitted to a Pennsylvania certified laboratory and analyzed initially for the corresponding contaminants of concern in the soil. The groundwater samples from TW-1 and TW-5 were analyzed for benzene and 1,2,4-trimethylbenzene; TW-2 was analyzed for dissolved lead; and TW-3 was analyzed for 1,2,4-trimethylbenzene. Based on the elevated PID detections and odors observed in the soil borings within the containment area of former tanks TK-7550 and TK-7551, contingent samples from the temporary wells subsequently were analyzed for the full VOC list and dissolved lead. The samples were submitted on ice, under chain of custody protocol to a Pennsylvania certified laboratory for analysis.

Following the completion of the well sampling, the temporary well screens and risers were removed; and the borings were backfilled with the drill cuttings. The sampling locations are illustrated on Figure 2 and the boring logs are provided in Appendix B. Monitoring well purge logs are provided in Appendix D.

Permanent Monitoring Wells

During the field activities, six permanent monitoring wells were identified at the Site. Four wells, MW-1 through MW-4, were found to be functioning. Two wells, monitoring wells MW-5 and MW-6 were not able to be sampled. MW-5 was dry when gauged and MW-6 had been abandoned prior to Arcadis accessing the Site. The monitoring well locations are illustrated on Figure 3. The four functioning wells were sampled to assist in evaluating any potential impacts to the groundwater from the soils within the containment area of former tanks TK-7550 and TK-7551 which exhibited elevated PID detections and odors during soil sampling.

On October 25, 2021, groundwater samples were collected from existing permanent monitoring wells MW-1 through MW-4 using the USEPA low flow sampling techniques (USEPA, 2010). The purge logs are provided in Appendix D. The monitoring wells were purged at a rate of approximately 0.1 gallons per minute (gpm) with a submersible centrifugal pump (ProActive Steel Monsoon Pump™ or equivalent). Water quality parameters were collected using a Horiba U-52 water quality meter and flow through cell every five minutes which included temperature (Degrees Celsius [°C]), pH (standard units), conductivity (micro-Siemens per centimeter [mS/cm]), dissolved oxygen (DO) in milligrams per liter (mg/L), oxidation

reduction potential (ORP) in millivolts (mV), and turbidity (nephelometric turbidity units [NTU]). After the water quality parameters stabilized as outlined in the USEPA low flow guidance, the tubing was disconnected from the Horiba U-52 and the samples were collected. Elevated pH readings were observed in monitoring wells MW-3 and MW-4, and the samples had a yellow appearance.

All wells were sampled for VOCs. Monitoring wells MW-3 and MW-4 also were analyzed for base neutral compounds. The samples were submitted on ice, under chain of custody protocol to a Pennsylvania certified laboratory for analysis.

The monitoring well purge logs are provided in Appendix D. A summary of the groundwater elevation data is provided in Table 7. The groundwater flow contours are illustrated on Figure 4. Groundwater flow is in a northeasterly direction.

Analytical Results

Temporary Monitoring Wells

With the exception of TW-1, the VOC analyses identified low levels of various compounds in temporary wells TW-2, TW-3 and TW-5. The concentrations were below the non-residential used aquifer groundwater MSCs. In TW-1, benzene was detected at a concentration above the non-residential used aquifer groundwater MSCs. Benzene was detected in the initial analysis at 65 µg/L and in the contingent analysis at 66 µg/L. Both concentrations exceed the non-residential used aquifer groundwater MSC of 5 µg/L.

The analysis for dissolved lead identified concentrations ranging from an estimated 0.3553 µg/L in TW-5 to 9.312 µg/L in TW-2. The initial analysis of the sample from TW-2 identified an estimated 0.9818 µg/L but the contingent analysis identified 9.312 µg/L, which is above the non-residential used aquifer groundwater MSC of 5 µg/L.

The sample results for the initial temporary well sampling are summarized in Table 3 and the results for the contingent analyses are summarized in Table 4. The laboratory reports are provided in Appendix C.

Permanent Monitoring Wells

The VOC analyses identified low levels of various compounds in the groundwater samples collected from the monitoring wells. All concentrations were below the non-residential used aquifer groundwater MSCs. Similarly, the Base Neutral analyses identified low levels of various compounds in the groundwater, but all concentrations were below the non-residential used aquifer groundwater MSCs.

The sample results are summarized in Table 5 and the laboratory report is provided in Appendix C.

Conclusions

The groundwater sampling results identified benzene in one temporary well with concentrations above the non-residential used aquifer MSCs. The temporary well was located adjacent to former tank TK-7551.

Sampling of the other temporary wells and downgradient monitoring wells delineated the extent of the impacts and confirmed that the contamination is not migrating offsite.

Similarly, lead was detected in a duplicate groundwater sample from one of the temporary wells at a concentration above the non-residential used aquifer MSC. Lead was not detected in the initial sample from the temporary well or in the other temporary wells installed at the Site, indicating that if lead is present, it is a localized condition, and the extent has been delineated.

The supplemental soil sampling in the tank farm areas for lead and benzo(a)pyrene associated with the AST closure activities identified concentrations below the non-residential direct contact MSCs. Lead was identified in one location at a concentration above the non-residential soil to groundwater MSC and was further evaluated with the temporary well sampling. Based on the soil sampling results and the previous AST closure soil sampling, the concentrations of lead and benzene are delineated.

The soil sampling in the former tank TK-7551 area identified soils with elevated PID readings and odors. The laboratory analysis identified elevated TIC concentrations and concentrations of benzene above the soil to groundwater MSCs. In addition, the concentrations of benzene exceeded the Non-Residential Soil Statewide Health Standard Vapor Intrusion Screening Values. In reviewing the previous AST closure sampling results, other soil samples in this area exceeded the Non-Residential Soil Statewide Health Standard Vapor Intrusion Screening Values. Since this area was located beneath the proposed warehouse building associated with the redevelopment of the Site, the concentrations of benzene represented a potential vapor intrusion issue. As such, further evaluation of these concentrations was performed as part of the Act 2 investigation as discussed below.

ACT 2 INVESTIGATION ACTIVITIES

Following the acquisition of the Property, Alliance entered the Act 2 Program to obtain a release of liability for the contaminants identified during the AST Closure and delineation investigation activities. An NIR was submitted on February 9, 2022, identifying the proposed remediation standards as the Non-Residential Statewide Health Standards for soil and groundwater. The contaminants identified in the NIR included VOCs, base neutrals, and metals.

Based on the results of the previous activities conducted during the AST closure and delineation investigations, additional soil and soil gas sampling has been performed at the Site. In addition, three additional permanent monitoring wells have been installed and quarterly groundwater monitoring has been initiated. To date, two quarterly groundwater monitoring events have been completed. A summary of the ongoing Act investigation activities is provided below.

Groundwater Investigation

The previous groundwater sampling identified benzene in one temporary well (TW-1) with concentrations above the non-residential used aquifer MSCs. The temporary well was located adjacent to former Tk-7551. Similarly, lead was detected in a duplicate groundwater sample from one of the temporary wells (TW-2) at a concentration above the non-residential used aquifer MSC. Lead was not detected in the initial sample from the temporary well or in the other temporary wells installed at the Site, indicating that if lead is present, it is a localized condition.

Monitoring Well Installation

On March 16, 2022, three additional permanent monitoring wells were installed at the Site (MW-7, MW-8, and MW-9) to determine groundwater flow across the Site and to characterize groundwater conditions. Monitoring well MW-7 was installed in the vicinity of TW-1 adjacent to former tank TK-7551 to further assess the benzene impacts in this area. MW-8 was installed upgradient of MW-7 along the western property boundary. MW-9 was installed along the southeastern property boundary in the anticipated downgradient direction of TW-2.

The monitoring wells were installed using a hollow stem auger drill rig with 8-inch augers. The total depth of the monitoring wells was determined by the depth of groundwater observed at each location during the drilling activities. The total depths of the wells ranged from 15 feet bgs at MW-7 to 22 feet bgs at MW-8. The monitoring wells were completed with between 12 and 17 feet of 0.010 slot 2-inch diameter PVC screen set across the water table. Two-inch PVC risers were installed to the ground surface. A filter pack consisting of No.2 sand was placed in the annular space around the monitoring well screens and a two-foot bentonite seal was installed over top of the filter pack. A grout slurry was installed on top of the bentonite seal to fill the annular space to the ground surface. A flush mount steel manhole and concrete pad were installed to complete the monitoring well at ground surface. The monitoring wells subsequently were developed by over pumping and surging until the water was free of fine particles. In addition, existing monitoring well MW-5, which could not be sampled during the due diligence activities, was re-developed and cleared of sediments such that it could be sampling during subsequent events.

Following installation, the new monitoring wells and the existing monitoring wells (MW-1, MW-2, MW-3, MW-4, and MW-5) were surveyed by a Pennsylvania licensed surveying company, DPK Consulting (DPK) located in Middlesex, New Jersey. A summary of the construction details for the wells is provided in Table 6. The well locations are illustrated on Figure 3.

Quarterly Groundwater Sampling

Following the installation of the new permanent wells, quarterly groundwater monitoring was initiated at the Site. To date, two sampling events have been completed in April and July.

On April 1 and July 11, 2022, a complete round of groundwater samples (MW-1 through MW-5, MW-7 through MW-9) were collected using the USEPA low flow sampling techniques (USEPA, 2010). Prior to beginning the groundwater sampling activities, groundwater levels were gauged to determine the groundwater flow direction. The monitoring wells then were purged at a rate of approximately 0.1 gallons per minute (gpm) with a submersible centrifugal pump (ProActive Steel Monsoon Pump™ or equivalent). Water quality parameters were collected using a Horiba U-52 water quality meter and flow through cell every five minutes which included temperature (°C), pH (standard units), conductivity (mS/cm), dissolved oxygen (mg/L), ORP (mV), and turbidity (NTU). After the water quality parameters stabilized as outlined in the USEPA low flow guidance, the tubing was disconnected from the Horiba U-52 and the samples were collected.

The groundwater samples were submitted under chain of custody protocol to Alpha Analytical, a Pennsylvania certified laboratory, for analysis. The groundwater samples were analyzed for TCL VOCs and Dissolved Lead. QA/QC samples consisted of the collection of one duplicate sample, one field blank, and one trip blank.

The monitoring well purge logs are provided in Appendix D. A summary of the groundwater elevation data is provided in Table 7. The groundwater flow contours are illustrated on Figures 5 and 6. Groundwater flow is in a northeasterly direction.

Following the April sampling event, which identified elevated concentrations of lead in monitoring well MW-9, the well was redeveloped to remove sediments which were suspected of affecting the sampling results.

Analytical Results

April 2022

The VOC analyses identified low levels of various compounds in all the wells. With the exception of benzene and naphthalene, all concentrations were below the non-residential used aquifer groundwater MSCs. In MW-7, benzene was detected at a concentration of 53 µg/L which exceeds the non-residential used aquifer groundwater MSC of 5 µg/L. In MW-9, naphthalene was detected at a concentration of 150 µg/L which exceeds the non-residential used aquifer groundwater MSC of 100 µg/L.

Dissolved lead was detected at 65.15 µg/L in MW-9. This exceeds the non-residential used aquifer groundwater MSC of 5 µg/L.

The groundwater sample results are summarized in Table 8. The laboratory report is provided in Appendix C.

July 2022

The VOC analyses identified low levels of various compounds in all the wells. With the exception of benzene in one well (MW-7), all concentrations were below the non-residential used aquifer groundwater MSCs. In MW-7, benzene was detected at 37 µg/L which exceeds the non-residential used aquifer groundwater MSC of 5 µg/L.

Dissolved lead was detected at 27.7 µg/L in MW-9. This exceeds the non-residential used aquifer groundwater MSC of 5 µg/L.

The groundwater sampling results are summarized in Table 9. The laboratory report is provided in Appendix C.

In addition, the groundwater sample results from April and July 2022 were compared to the non-residential groundwater vapor intrusion screening values criteria. No compounds were detected above the vapor intrusion screening values criteria. The results are summarized in Table 10 and 11, respectively.

Soil Investigation

To further evaluate the soil staining and odors observed in the soil borings installed in the former tank TK-7551 area during the due diligence investigation activities, additional soil borings were installed during the Act 2 investigation in the former containment area of former tanks TK-7550 and TK-7551. In addition, soil borings were installed in the area west of former tank TK-7551.

Sample Collection

On March 16 and 17, 2022, eighteen (18) soil borings (SB-201 through SB-217 and MW-8) were installed around the former tank TK-7551 area at the Site. The soil borings were advanced by Hawk using Geoprobe direct-push drilling techniques. The borings were installed to vertically and horizontally delineate the exceedances of the soil non-residential direct contact MSCs for VOCs and the odors identified during the Phase II field activities. Each boring was installed to the water table, which ranged in depth from 3 feet at SB-206 to 9 feet at SB-201. Soil borings SB-201 through SB-204, SB-217, and MW-8 were installed in the raised asphalt drive directly to the west of the former tank TK-7551 area. The remaining borings, SB-205 through SB-216 were located within the former tanks TK-7550 and TK-7551 containment area. Samples were collected from 0 to 6 inches above the water table and submitted under chain of custody protocol to a Pennsylvania certified laboratory for analysis for VOCs.

During the sampling, Arcadis personnel screened each boring for the presence of contamination using a PID and visual/olfactory observations. There were some signs of black staining and some yellowish staining in a few borings. Odors were identified in borings SB-201 through SB-204, SB-217, and MW-8. The PID readings ranged from non-detect to 1201 ppm.

After completion of the soil investigation, the boreholes were backfilled with the drill cuttings. The sampling locations and PID readings are illustrated on Figure 7 and the boring logs are provided in Appendix B.

Analytical Results

Low levels of various VOCs were detected in the samples. With the exception of benzene and naphthalene, the concentrations were below the most stringent soil MSCs. In SB-202 (8.5-9), SB-204 (8.5-9), SB-213 (4-4.5), and SB-217 (8.5-9), benzene was detected at 2.6 mg/kg, 0.59 mg/kg, 1.8 mg/kg, 1 mg/kg, respectively, which exceed the non-residential soil to groundwater MSC of 0.5 mg/kg. Naphthalene was detected in SB-213 (4-4.5) and SB-215 (4.5-5) at concentrations of 1700 mg/kg and 38 mg/kg, respectively, which exceed the non-residential soil to groundwater MSC of 25 mg/kg.

The sample results are summarized in Table 12. The laboratory report is provided in Appendix C.

In addition, the soil sample results were compared to the non-residential soil vapor intrusion screening values criteria. Benzene was detected at concentrations above the soil vapor intrusion screening values criteria in borings SB-202 (8.5-9), SB-203 (8.5-9), SB-204 (8.5-9), SB-207 (4-4.5), SB-213 (4-4.5), SB-216 (3.5-4), and SB-217 (8.5-9). Also, naphthalene was detected in SB-213 (4-4.5) and SB-215 (4.5-5) at

concentrations above the soil vapor intrusion screening values criteria. The results are summarized in Table 13.

Soil Gas Investigation

Based on the odors observed in the soil borings installed in the former tank TK-7551 area and the soil sampling results which identified benzene and naphthalene in several borings at concentrations above the soil vapor intrusion screening values criteria, soil gas sampling was performed in the former containment area of former tanks TK-7550 and TK-7551 and in the area west of former tank TK-7551. The soil gas sample locations were selected based on the proposed redevelopment of the Site and the location of the future warehouse building.

Sample Collection

On May 25th, 2022, Arcadis installed seven (7) temporary soil gas points at the Site. The soil gas points (SG-1 through SG-7) were installed to investigate the presence of elevated PID readings and odors in the soil gas in the footprint of the proposed building.

The soil gas points were installed to a depth of 3-5 feet bgs depending on the depth to groundwater in each of the borings. Each point was installed via manual direct push techniques utilizing a slide hammer. A stainless-steel screen was deployed at the bottom interval and 1/4-inch diameter Teflon tubing was connected to the screen and extended above grade.

Arcadis purged an approximately 200 mL volume from each soil vapor point utilizing a pump set for low flow purging. After purging, the valves on the Summa canisters were opened, and initial and final vacuum readings were recorded. Soil gas samples were collected using 1-Liter Summa canisters with pre-set laboratory supplied 15-minute flow regulators. After the collection of the soil gas samples, the stainless steel screen and Teflon tubing were recovered, and the holes were backfilled with the cuttings.

The soil gas Summa canisters were delivered under chain of custody protocol to Alpha Analytical, a Pennsylvania certified laboratory, for analysis for VOCs via U.S. EPA Method TO-15.

Analytical Results

Low levels of various VOCs were detected in the samples. With the exception of benzene, the concentrations were below the non-residential near-source soil gas and sub-slab soil gas vapor intrusion screening values criteria. In SG-5, benzene was detected at 4,340 µg/m³ which exceeds the non-residential sub-slab soil gas vapor intrusion screening value of 2,000 µg/m³.

Samples SG-5, SG-6, and SG-7 had elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples. These non-target compounds are likely the source of the elevated PID readings and odors observed during the soil sampling activities.

The sample results for the soil gas points are summarized in Table 14. The laboratory report is provided in Appendix C.

Conclusions

The quarterly groundwater monitoring program has been initiated and is ongoing. With the exception of lead in MW-9, the sampling indicates that the contaminants are not migrating offsite. The lead impacts identified in MW-9 are believed to be associated with the turbidity of the well. Additional evaluation of this issue will be performed during the ongoing quarterly monitoring. The current plans are to use an environmental covenant to address the impacts.

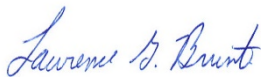
Based on the results of the previous AST closure soil sampling, delineation soil sampling, and Act 2 sampling, the concentrations of lead and benzene in the soil have been delineated onsite to the non-residential direct contact soil MSCs. As such, the current plans are to use an environmental covenant to address the impacts.

The soil sampling results identified benzene and naphthalene in several borings at concentrations above the soil vapor intrusion screening values criteria. The follow up soil gas sampling identified benzene in one location at a concentration above the non-residential sub-slab soil gas vapor intrusion screening value criteria. Based on these results, Alliance is evaluating alternatives during the site redevelopment to address potential vapor intrusion issues.

CLOSING

The Act 2 investigation activities are ongoing, and we will keep the PADEP notified of the progress. If you have any questions regarding the findings to date, please do not hesitate to contact us at 908.526.1000.

Sincerely,



Lawrence G. Brunt, PE
Principal Engineer



Mark B. Hanish
Principal Geologist
PA License No. PG001868G

Copies:

Anthony J. Reitano, Esq. – Herold Law
Eric Carlson - Alliance



TABLES

Table 1
Summary of Soil Sampling Results for AST Closure
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:	Pennsylvania Non-Residential Direct Contact Surface Soil (0-2') MSCs Criteria	Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria	Pennsylvania Non-Residential Generic Soil to Groundwater MSCs Criteria	Pennsylvania Non-Residential 100X GW Soil to Groundwater MSCs Criteria	1044-P4 (6.5-7) L2158069-08 10/22/2021 6.5-7.0 SOIL	2040-P2 (4.5-5) L2158069-06 10/22/2021 4.5-5.0 SOIL	DUP-1 L2158069-11 10/22/2021 4.5-5.0 SOIL	941 CENTER (11-11.5) L2158069-07 10/22/2021 11.0-11.5 SOIL	PIPE 22 (13-13.5) L2158069-05 10/22/2021 13.0-13.5 SOIL															
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS																								
Benzo(a)pyrene	12	190000	46	0.02	-	-	-	-	-	-	-	-	-	-	-	-	<0.057	U	0.19	0.057	-	-	-	-
Total SVOCs					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL METALS																								
Lead, Total	1000	190000	450	0.5	226	2.89	0.155	2.12	2.07	0.111	1.63	J	2.04	0.11	-	-	-	-	1520	2.47	0.132			

NOTES:
GC/MS - Gas Chromatography / Mass Spectrometry
J - The compound was detected; however, the concentration is below the laboratory method detection limit. Accordingly, this concentration is estimated.
MSC - Medium Specific Concentration
PADEP - Pennsylvania Department of Environmental Protection
Q - Qualifier
Conc - Concentration
RL - Reporting Limit
MDL - Minimum Detection Limit
GW - Groundwater
SHS - Statewide Health Standard
U - Compound was undetected at the listed laboratory method detection limit.
Concentrations reported in milligrams per kilogram (mg/kg)
Applicable Non-Residential Soil to Groundwater MSCs
Bolded and Highlighted concentrations are exceedances of the corresponding standard

Table 2
Summary of Former Tank 7551 Area Soil Sampling Results
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:	Pennsylvania Non-Residential Direct Contact Surface Soil (0-2') MSCs Criteria	Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria	Pennsylvania Non-Residential Generic Soil to Groundwater MSCs Criteria	Pennsylvania Non-Residential 100X GW Soil to Groundwater MSCs Criteria	SB-101 (1.5-2) L2158500-01 10/25/2021 1.5-2.0 SOIL	SB-102 (2.5-3) L2158500-02 10/25/2021 2.5-3.0 SOIL	SB-103 (4.5-5) L2158500-03 10/25/2021 4.5-5.0 SOIL	SB-104 (4.5-5) L2158500-04 10/25/2021 4.5-5.0 SOIL	SB-105 (4.5-5) L2158500-05 10/25/2021 4.5-5.0 SOIL	SB-106 (4.5-5) L2158500-06 10/25/2021 4.5-5.0 SOIL	SB-107 (4.5-5) L2158500-07 10/25/2021 4.5-5.0 SOIL
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL
VOLATILE ORGANICS BY EPA 5035											
1,1,1-Trichloroethane	10000	10000	7.2	20	<0.019 U 0.056 0.019	<0.00019 U 0.00057 0.00019	<0.044 U 0.13 0.044	<0.05 U 0.15 0.05	<0.024 U 0.073 0.024	<0.00029 U 0.00086 0.00029	<0.00035 U 0.0011 0.00035
1,1,2,2-Tetrachloroethane	38	44	0.13	0.43	<0.019 U 0.056 0.019	<0.00019 U 0.00057 0.00019	<0.043 U 0.13 0.043	<0.049 U 0.15 0.049	<0.024 U 0.073 0.024	<0.00029 U 0.00086 0.00029	<0.00035 U 0.0011 0.00035
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	10000	10000	4400	<0.078 U 0.45 0.078	<0.0008 U 0.0046 0.0008	<0.18 U 1 0.18	<0.2 U 1.2 0.2	<0.1 U 0.59 0.1	<0.0012 U 0.0069 0.0012	<0.0015 U 0.0085 0.0015
1,1,2-Trichloroethane	16	18	0.15	0.5	<0.03 U 0.11 0.03	<0.00031 U 0.0011 0.00031	<0.07 U 0.26 0.07	<0.079 U 0.3 0.079	<0.039 U 0.15 0.039	<0.00046 U 0.0017 0.00046	<0.00057 U 0.0021 0.00057
1,1-Dichloroethane	1400	1600	3.9	16	<0.016 U 0.11 0.016	<0.00017 U 0.0011 0.00017	<0.038 U 0.26 0.038	<0.043 U 0.3 0.043	<0.021 U 0.15 0.021	<0.00025 U 0.0017 0.00025	<0.00031 U 0.0021 0.00031
1,1-Dichloroethene	10000	10000	0.19	0.7	<0.027 U 0.11 0.027	<0.00027 U 0.0011 0.00027	<0.062 U 0.26 0.062	<0.07 U 0.3 0.07	<0.035 U 0.15 0.035	<0.00041 U 0.0017 0.00041	<0.0005 U 0.0021 0.0005
1,2,3-Trichlorobenzene	NS	NS	NS	NS	<0.036 U 0.23 0.036	<0.00037 U 0.0023 0.00037	<0.084 U 0.52 0.084	<0.095 U 0.59 0.095	<0.047 U 0.29 0.047	<0.00056 U 0.0034 0.00056	<0.00068 U 0.0042 0.00068
1,2,4-Trichlorobenzene	160	190	27	7	<0.031 U 0.23 0.031	<0.00031 U 0.0023 0.00031	<0.071 U 0.52 0.071	<0.081 U 0.59 0.081	<0.04 U 0.29 0.04	<0.00047 U 0.0034 0.00047	<0.00058 U 0.0042 0.00058
1,2,4-Trimethylbenzene	4700	5400	300	53	30 0.23 0.038	0.0035 0.0023 0.00038	130 E 0.52 0.087	7.3 0.59 0.099	38 0.29 0.049	0.017 0.0034 0.00058	0.00076 J 0.0042 0.00071
1,2-Dibromo-3-chloropropane	0.37	0.42	0.0092	0.02	<0.11 U 0.34 0.11	<0.0011 U 0.0034 0.0011	<0.26 U 0.78 0.26	<0.3 U 0.89 0.3	<0.15 U 0.44 0.15	<0.0017 U 0.0052 0.0017	<0.0021 U 0.0064 0.0021
1,2-Dibromoethane	3.7	4.2	0.0012	0.005	<0.033 U 0.056 0.033	<0.00034 U 0.00057 0.00034	<0.077 U 0.13 0.077	<0.087 U 0.15 0.087	<0.043 U 0.073 0.043	<0.0005 U 0.00086 0.0005	<0.00062 U 0.0011 0.00062
1,2-Dichlorobenzene	10000	10000	59	60	<0.016 U 0.23 0.016	<0.00016 U 0.0023 0.00016	0.35 J 0.52 0.038	<0.043 U 0.59 0.043	<0.021 U 0.29 0.021	<0.00025 U 0.0034 0.00025	<0.0003 U 0.0042 0.0003
1,2-Dichloroethane	85	98	0.1	0.5	<0.029 U 0.11 0.029	<0.0003 U 0.0011 0.0003	<0.067 U 0.26 0.067	<0.076 U 0.3 0.076	<0.038 U 0.15 0.038	<0.00044 U 0.0017 0.00044	<0.00054 U 0.0021 0.00054
1,2-Dichloroethene, Total	NS	NS	NS	NS	<0.015 U 0.11 0.015	<0.00016 U 0.0011 0.00016	<0.036 U 0.26 0.036	<0.041 U 0.3 0.041	<0.02 U 0.15 0.02	<0.00024 U 0.0017 0.00024	<0.00029 U 0.0021 0.00029
1,2-Dichloropropane	0.6	0.69	0.11	0.5	<0.014 U 0.11 0.014	<0.00014 U 0.0011 0.00014	<0.033 U 0.26 0.033	<0.037 U 0.3 0.037	<0.018 U 0.15 0.018	<0.00022 U 0.0017 0.00022	<0.00026 U 0.0021 0.00026
1,3-Dichlorobenzene	10000	10000	61	60	<0.017 U 0.23 0.017	<0.00017 U 0.0023 0.00017	<0.039 U 0.52 0.039	<0.044 U 0.59 0.044	<0.022 U 0.29 0.022	<0.00026 U 0.0034 0.00026	<0.00031 U 0.0042 0.00031
1,3-Dichloropropene, Total	550	640	0.48	2.7	<0.018 U 0.056 0.018	<0.00018 U 0.00057 0.00018	<0.041 U 0.13 0.041	<0.047 U 0.15 0.047	<0.023 U 0.073 0.023	<0.00027 U 0.00086 0.00027	<0.00034 U 0.0011 0.00034
1,4-Dichlorobenzene	200	230	10	7.5	<0.019 U 0.23 0.019	<0.0002 U 0.0023 0.0002	0.05 J 0.52 0.045	<0.051 U 0.59 0.051	<0.025 U 0.29 0.025	<0.00029 U 0.0034 0.00029	<0.00036 U 0.0042 0.00036
1,4-Dioxane	440	510	0.35	2.7	<4 U 9 4	<0.04 U 0.092 0.04	<9.2 U 21 9.2	<10 U 24 10	<5.2 U 12 5.2	<0.06 U 0.14 0.06	<0.074 U 0.17 0.074
2-Butanone	10000	10000	76	400	<0.25 U 1.1 0.25	<0.0025 U 0.011 0.0025	<0.58 U 2.6 0.58	<0.66 U 3 0.66	<0.33 U 1.5 0.33	<0.0038 U 0.017 0.0038	<0.0047 U 0.021 0.0047
2-Hexanone	2400	2700	6.4	26	<0.13 U 1.1 0.13	<0.0014 U 0.011 0.0014	<0.31 U 2.6 0.31	<0.35 U 3 0.35	<0.17 U 1.5 0.17	<0.002 U 0.017 0.002	<0.0025 U 0.021 0.0025
4-Methyl-2-pentanone	10000	10000	120	780	<0.14 U 1.1 0.14	<0.0015 U 0.011 0.0015	<0.33 U 2.6 0.33	<0.38 U 3 0.38	<0.19 U 1.5 0.19	<0.0022 U 0.017 0.0022	<0.0027 U 0.021 0.0027
Acetone	10000	10000	980	8800	<0.54 U 1.1 0.54	<0.011 U 0.029 0.011	<1.2 U 2.6 1.2	<1.4 U 3 1.4	<0.71 U 1.5 0.71	0.038 J 0.043 0.017	0.079 0.053 0.021
Benzene	280	330	0.13	0.5	0.16 0.056 0.019	0.00026 J 0.00057 0.00019	<0.043 U 0.13 0.043	<0.049 U 0.15 0.049	1.8 0.073 0.024	0.0094 0.00086 0.00029	<0.00035 U 0.0011 0.00035
Bromochloromethane	3200	3600	1.6	9	<0.023 U 0.23 0.023	<0.00024 U 0.0023 0.00024	<0.054 U 0.52 0.054	<0.061 U 0.59 0.061	<0.03 U 0.29 0.03	<0.00035 U 0.0034 0.00035	<0.00044 U 0.0042 0.00044
Bromodichloromethane	60	69	2.7	8	<0.012 U 0.056 0.012	<0.00012 U 0.00057 0.00012	<0.028 U 0.13 0.028	<0.032 U 0.15 0.032	<0.016 U 0.073 0.016	<0.00019 U 0.00086 0.00019	<0.00023 U 0.0011 0.00023
Bromoform	2000	2300	3.5	8	<0.028 U 0.45 0.028	<0.00028 U 0.0046 0.00028	<0.064 U 1 0.064	<0.073 U 1.2 0.073	<0.036 U 0.59 0.036	<0.00042 U 0.0069 0.00042	<0.00052 U 0.0085 0.00052
Bromomethane	400	460	0.54	1	<0.066 U 0.23 0.066	<0.00067 U 0.0023 0.00067	<0.15 U 0.59 0.17	<0.085 U 0.29 0.085	<0.001 U 0.0034 0.001	<0.0012 U 0.0034 0.001	<0.0012 U 0.0042 0.0012
Carbon disulfide	10000	10000	530	620	<0.51 U 1.1 0.51	<0.0052 U 0.011 0.0052	<1.2 U 2.6 1.2	<1.3 U 3 1.3	<0.67 U 1.5 0.67	<0.0078 U 0.017 0.0078	<0.0096 U 0.021 0.0096
Carbon tetrachloride	370	430	0.26	0.5	<0.026 U 0.11 0.026	<0.0011 U 0.00026	<0.06 U 0.26 0.06	<0.068 U 0.3 0.068	<0.034 U 0.15 0.034	<0.0004 U 0.0017 0.0004	<0.00049 U 0.0021 0.00049
Chlorobenzene	3900	4500	6.1	10	<0.014 U 0.056 0.014	<0.00014 U 0.00057 0.00014	<0.033 U 0.13 0.033	<0.038 U 0.15 0.038	<0.019 U 0.073 0.019	<0.00022 U 0.00086 0.00022	<0.00027 U 0.0011 0.00027
Chloroethane	10000	10000	1900	8800	<0.051 U 0.23 0.051	<0.00052 U 0.0023 0.00052	<0.12 U 0.52 0.12	<0.13 U 0.59 0.13	<0.066 U 0.29 0.066	<0.00078 U 0.0034 0.00078	<0.00096 U 0.0042 0.00096
Chloroform	96	110	2	8	<0.016 U 0.17 0.016	<0.00016 U 0.0017 0.00016	<0.037 U 0.39 0.037	<0.042 U 0.44 0.042	<0.02 U 0.22 0.02	<0.00024 U 0.0026 0.00024	<0.0003 U 0.0032 0.0003
Chloromethane	1200	1400	0.38	3	<0.1 U 0.45 0.1	<0.0011 U 0.0046 0.0011	<0.24 U 1 0.24	<0.28 U 1.2 0.28	<0.14 U 0.59 0.14	<0.0016 U 0.0069 0.0016	<0.002 U 0.0085 0.002
cis-1,2-Dichloroethene	6400	10000	1.6	7	<0.02 U 0.11 0.02	<0.0002 U 0.0011 0.0002	<0.046 U 0.26 0.046	<0.052 U 0.3 0.052	<0.026 U 0.15 0.026	<0.0003 U 0.0017 0.0003	<0.00037 U 0.0021 0.00037
cis-1,3-Dichloropropene	560	640	0.61	3.4	<0.018 U 0.056 0.018	<0.00018 U 0.00057 0.00018	<0.041 U 0.13 0.041	<0.047 U 0.15 0.047	<0.023 U 0.073 0.023	<0.00027 U 0.00086 0.00027	<0.00034 U 0.0011 0.00034
Cyclohexane	10000	10000	6900	5300	2.2 1.1 0.061	<0.00062 U 0.011 0.00062	19 2.6 0.14	6.6 3 0.16	1.2 J 1.5 0.08	0.0043 J 0.017 0.00094	<0.0012 U 0.021 0.0012
Dibromochloromethane	1100	10000	2.5	8	<0.016 U 0.11 0.016	<0.00016 U 0.0011 0.00016	<0.037 U 0.26 0.037	<0.042 U 0.3 0.042	<0.02 U 0.15 0.02	<0.00024 U 0.0017 0.00024	<0.0003 U 0.0021 0.0003
Dichlorodifluoromethane	8000	9100	100	100	<0.1 U 1.1 0.1	<0.001 U 0.011 0.001	<0.24 U 2.6 0.24	<0.27 U 3 0.27	<0.13 U 1.5 0.13	<0.0016 U 0.017 0.0016	<0.0019 U 0.021 0.0019
Ethylbenzene	880	1000	46	70	0.84 0.11 0.016	0.00037 J 0.0011 0.00016	12 0.26 0.037	0.15 J 0.3 0.042	8.3 0.15 0.021	0.0054 0.0017 0.00024	<0.0003 U 0.0021 0.0003
Isopropylbenzene	10000	10000	2500	350	0.76 0.11 0.012	0.00015 J 0.0011 0.00012	12 0.26 0.028	0.33 0.3 0.032	4.4 0.15 0.016	0.0026 0.0017 0.00019	<0.00023 U 0.0021 0.00023
Methyl Acetate	10000	10000	1800	9700	<0.11 U 0.45 0.11	<0.0011 U 0.0046 0.0011	<0.25 U 1 0.25	<0.28 U 1.2 0.28	<0.14 U 0.59 0.14	<0.0016 U 0.0069 0.0016	<0.002 U 0.0085 0.002
Methyl cyclohexane	NS	NS	NS	NS	9.2 0.45 0.068	<0.00069 U 0.0046 0.00069	65 1 0.16	24 1.2 0.18	1.8 0.59 0.088	0.0014 J 0.0069 0.001	<0.0013 U 0.0085 0.0013
Methyl tert butyl ether	8500	9800	0.28	2	<0.023 U 0.23 0.023	<0.00023 U 0.0023 0.00023	<0.052 U 0.52 0.052	<0.06 U 0.59 0.06	<0.03 U 0.29 0.03	0.00049 J 0.0034 0.00035	<0.00043 U 0.0042 0.00043
Methylene chloride	10000	10000	0.076	0.5	<0.26 U 0.56 0.26	<0.0026 U 0.0057 0.0026	<0.6 U 1.3 0.6	<0.68 U 1.5 0.68	<0.34 U 0.73 0.34	<0.0039 U 0.0086 0.0039	<0.0048 U 0.011 0.0048
p-Xylene	8000	9100	990	1000	1.1 0.11 0.033	0.00068 J 0.0011 0.00033	2.2 0.26 0.076	0.31 0.3 0.086	4 0.15 0.043	0.028 0.0017 0.0005	<0.00062 U 0.0021 0.00062
p/m-Xylene	8000	9100	990	1000	3.5 0.23 0.063	0.0016 J 0.0023 0.00064	9.5 0.52 0.15	0.56 J 0.59 0.17	20 0.29 0.082	0.019 0.0034 0.00096	<0.0012 U 0.0042 0.0012
Styrene	10000	10000	24	10	<0.022 U 0.11 0.022	<0.00022 U 0.0011 0.00022	<0.051 U 0.26 0.051	<0.058 U 0.3 0.058	<0.029 U 0.15 0.029	0.0009 J 0.0017 0.00034	<0.00042 U 0.0021 0.00042
Tetrachloroethene	3200	3600	0.43	0.5	<0.022 U 0.056 0.022	<0.00022 U 0.00057 0.00022	<0.051 U 0.13 0.051	<0.058 U 0.15 0.058	<0.029 U 0.073 0.029	<0.00034 U 0.00086 0.00034	<0.00042 U 0.0011 0.00042
Toluene	10000	10000	44	100	0.78 0.11 0.061	0.00096 J 0.0011 0.00062	0.22 J 0.26 0.14	<0.16 U 0.3 0.16	5.5 0.15 0.08	0.017 0.0017 0.00094	<0.0012 U 0.0021 0.0012
trans-1,2-Dichloroethene	10000	10000	2.3	10	<0.015 U 0.17 0.015	<0.00016 U 0.0017 0.00016	<0.036 U 0.39 0.036	<0.041 U 0.44 0.041	<0.02 U 0.22 0.02	<0.00024 U 0.0026 0.00024	<0.00029 U 0.0032 0.00029
trans-1,3-Dichloropropene	560	640	0.61	3.4	<0.031 U 0.11 0.031	<0.00031 U 0.0011 0.00031	<0.071 U 0.26 0.071	<0.081 U			

Table 2
Summary of Former Tank 7551 Area Soil Sampling Results
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:	Pennsylvania Non-Residential Direct Contact Surface Soil (0-2') MSCs Criteria	Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria	Pennsylvania Non-Residential Generic Soil to Groundwater MSCs Criteria	Pennsylvania Non-Residential 100X GW Soil to Groundwater MSCs Criteria	SB-101 (1.5-2) L2158500-01 10/25/2021 1.5-2.0 SOIL	SB-102 (2.5-3) L2158500-02 10/25/2021 2.5-3.0 SOIL	SB-103 (4.5-5) L2158500-03 10/25/2021 4.5-5.0 SOIL	SB-104 (4.5-5) L2158500-04 10/25/2021 4.5-5.0 SOIL	SB-105 (4.5-5) L2158500-05 10/25/2021 4.5-5.0 SOIL	SB-106 (4.5-5) L2158500-06 10/25/2021 4.5-5.0 SOIL	SB-107 (4.5-5) L2158500-07 10/25/2021 4.5-5.0 SOIL
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL	Conc Q RL MDL
SEMIVOLATILE ORGANICS BY GC/MS											
1,2,4,5-Tetrachlorobenzene	960	190000	13	2.9	- - -	- - -	<0.13 U 1.3 0.13	- - -	<0.16 U 1.5 0.16	- - -	- - -
2,4-Dinitrotoluene	290	190000	0.21	0.88	- - -	- - -	<0.26 U 1.3 0.26	- - -	<0.3 U 1.5 0.3	- - -	- - -
2,6-Dinitrotoluene	61	190000	0.053	0.18	- - -	- - -	<0.22 U 1.3 0.22	- - -	<0.26 U 1.5 0.26	- - -	- - -
2-Chloronaphthalene	190000	190000	17000	780	- - -	- - -	<0.13 U 1.3 0.13	- - -	<0.15 U 1.5 0.15	- - -	- - -
2-Methylnaphthalene	240	270	100	2.6	- - -	- - -	23 1.5 0.16	- - -	19 1.8 0.18	- - -	- - -
2-Nitroaniline	3.9	4.5	0.0079	0.044	- - -	- - -	<0.25 U 1.3 0.25	- - -	<0.29 U 1.5 0.29	- - -	- - -
3,3'-Dichlorobenzidine	200	190000	33	0.6	- - -	- - -	<0.34 U 1.3 0.34	- - -	<0.4 U 1.5 0.4	- - -	- - -
3-Nitroaniline	NS	NS	NS	NS	- - -	- - -	<0.24 U 1.3 0.24	- - -	<0.28 U 1.5 0.28	- - -	- - -
4-Bromophenyl phenyl ether	NS	NS	NS	NS	- - -	- - -	<0.2 U 1.3 0.2	- - -	<0.23 U 1.5 0.23	- - -	- - -
4-Chloroaniline	460	190000	1.8	1.4	- - -	- - -	<0.23 U 1.3 0.23	- - -	<0.27 U 1.5 0.27	- - -	- - -
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	- - -	- - -	<0.14 U 1.3 0.14	- - -	<0.16 U 1.5 0.16	- - -	- - -
4-Nitroaniline	4600	190000	2.1	14	- - -	- - -	<0.53 U 1.3 0.53	- - -	<0.62 U 1.5 0.62	- - -	- - -
Acenaphthene	190000	190000	4700	380	- - -	- - -	3.1 1 0.13	- - -	3.1 1.2 0.16	- - -	- - -
Acenaphthylene	190000	190000	6600	580	- - -	- - -	<0.2 U 1 0.2	- - -	<0.23 U 1.2 0.23	- - -	- - -
Acetophenone	10000	10000	520	970	- - -	- - -	<0.16 U 1.3 0.16	- - -	<0.18 U 1.5 0.18	- - -	- - -
Anthracene	190000	190000	350	6.6	- - -	- - -	1.1 0.77 0.25	- - -	0.52 J 0.9 0.29	- - -	- - -
Atrazine	400	190000	0.13	0.3	- - -	- - -	<0.45 U 1 0.45	- - -	<0.52 U 1.2 0.52	- - -	- - -
Benzaldehyde	NS	NS	NS	NS	- - -	- - -	<0.35 U 1.7 0.35	- - -	<0.4 U 2 0.4	- - -	- - -
Benzo(a)anthracene	130	190000	340	0.39	- - -	- - -	0.62 J 0.77 0.14	- - -	0.18 J 0.9 0.17	- - -	- - -
Benzo(a)pyrene	91	190000	46	0.02	- - -	- - -	0.36 J 1 0.31	- - -	<0.36 U 1.2 0.36	- - -	- - -
Benzo(b)fluoranthene	76	190000	170	0.12	- - -	- - -	0.47 J 0.77 0.22	- - -	<0.25 U 0.9 0.25	- - -	- - -
Benzo(ghi)perylene	190000	190000	180	0.026	- - -	- - -	0.2 J 1 0.15	- - -	<0.18 U 1.2 0.18	- - -	- - -
Benzo(k)fluoranthene	76	190000	610	0.055	- - -	- - -	0.2 J 0.77 0.2	- - -	<0.24 U 0.9 0.24	- - -	- - -
Biphenyl	34	40	1.5	0.35	- - -	- - -	2.8 J 2.9 0.3	- - -	0.82 J 3.4 0.35	- - -	- - -
Bis(2-chloroethoxy)methane	9600	10000	7.6	29	- - -	- - -	<0.13 U 1.4 0.13	- - -	<0.15 U 1.6 0.15	- - -	- - -
Bis(2-chloroisopropyl)ether	220	250	8	30	- - -	- - -	<0.22 U 1.5 0.22	- - -	<0.26 U 1.8 0.26	- - -	- - -
Bis(2-ethylhexyl)phthalate	6500	10000	130	0.6	- - -	- - -	<0.44 U 1.3 0.44	- - -	<0.52 U 1.5 0.52	- - -	- - -
Butyl benzyl phthalate	10000	10000	10000	140	- - -	- - -	<0.32 U 1.3 0.32	- - -	<0.38 U 1.5 0.38	- - -	- - -
Caprolactam	NS	NS	NS	NS	- - -	- - -	<0.39 U 1.3 0.39	- - -	<0.46 U 1.5 0.46	- - -	- - -
Carbazole	4600	190000	89	14	- - -	- - -	<0.12 U 1.3 0.12	- - -	<0.14 U 1.5 0.14	- - -	- - -
Chrysene	760	190000	230	0.19	- - -	- - -	0.53 J 0.77 0.13	- - -	<0.16 U 0.9 0.16	- - -	- - -
Di-n-butylphthalate	10000	10000	4000	970	- - -	- - -	<0.24 U 1.3 0.24	- - -	<0.28 U 1.5 0.28	- - -	- - -
Di-n-octylphthalate	10000	10000	10000	97	- - -	- - -	<0.44 U 1.3 0.44	- - -	<0.51 U 1.5 0.51	- - -	- - -
Dibenzo(a,h)anthracene	22	190000	270	0.06	- - -	- - -	0.15 U 0.77 0.15	- - -	<0.17 U 0.9 0.17	- - -	- - -
Dibenzofuran	3200	190000	250	9.7	- - -	- - -	1.7 1.3 0.12	- - -	1.4 J 1.5 0.14	- - -	- - -
Diethyl phthalate	10000	10000	2400	7800	- - -	- - -	<0.12 U 1.3 0.12	- - -	<0.14 U 1.5 0.14	- - -	- - -
Dimethyl phthalate	NS	NS	NS	NS	- - -	- - -	<0.27 U 1.3 0.27	- - -	<0.31 U 1.5 0.31	- - -	- - -
Fluoranthene	130000	190000	3200	26	- - -	- - -	2.6 0.77 0.15	- - -	0.71 J 0.9 0.17	- - -	- - -
Fluorene	130000	190000	3800	190	- - -	- - -	2.8 1.3 0.12	- - -	1.6 1.5 0.14	- - -	- - -
Hexachlorobenzene	57	190000	0.96	0.1	- - -	- - -	<0.14 U 0.77 0.14	- - -	<0.17 U 0.9 0.17	- - -	- - -
Hexachlorobutadiene	1200	10000	42	3.5	- - -	- - -	<0.19 U 1.3 0.19	- - -	<0.22 U 1.5 0.22	- - -	- - -
Hexachlorocyclopentadiene	10000	10000	91	5	- - -	- - -	<1.2 U 3.7 1.2	- - -	<1.4 U 4.3 1.4	- - -	- - -
Hexachloroethane	230	270	0.56	0.1	- - -	- - -	<0.21 U 1 0.21	- - -	<0.24 U 1.2 0.24	- - -	- - -
Indeno(1,2,3-cd)pyrene	76	190000	18000	0.23	- - -	- - -	0.22 J 1 0.18	- - -	<0.21 U 1.2 0.21	- - -	- - -
Isophorone	10000	10000	1.9	10	- - -	- - -	<0.17 U 1.2 0.17	- - -	<0.19 U 1.3 0.19	- - -	- - -
Naphthalene	66	77	25	10	- - -	- - -	13 1.3 0.16	- - -	7.5 1.5 0.18	- - -	- - -
NDPA/DPA	860	990	15	9.6	- - -	- - -	<0.15 U 1 0.15	- - -	<0.17 U 1.2 0.17	- - -	- - -
Nitrobenzene	55	63	0.27	0.63	- - -	- - -	<0.19 U 1.2 0.19	- - -	<0.22 U 1.3 0.22	- - -	- - -
Phenanthrene	190000	190000	10000	110	- - -	- - -	8.4 0.77 0.16	- - -	3.1 0.9 0.18	- - -	- - -
Pyrene	96000	190000	2200	13	- - -	- - -	2.2 0.77 0.13	- - -	0.58 J 0.9 0.15	- - -	- - -
Total SVOCs	NS	NS	NS	NS	- - -	- - -	63.3 - - -	- - -	38.51 - - -	- - -	- - -
SEMIVOLATILE ORGANICS BY GC/MS-SIM											
Bis(2-chloroethyl)ether	6.7	7.6	0.023	0.076	- - -	- - -	1.2 0.26 0.072	- - -	<0.017 U 0.06 0.017	- - -	- - -
n-Nitrosodi-n-propylamine	1.1	1.3	0.0018	0.013	- - -	- - -	<0.067 U 0.26 0.067	- - -	<0.016 U 0.06 0.016	- - -	- - -
Total SVOCs	NS	NS	NS	NS	- - -	- - -	1.2 - - -	- - -	- - -	- - -	- - -

NOTES:
GC/MS - Gas Chromatography / Mass Spectrometry
J - The compound was detected; however, the concentration is below the laboratory method detection limit. Accordingly, this concentration is estimated.
MSC - Medium Specific Concentration
NS - No PADEP Soil Quality Standard established for this criteria
PADEP - Pennsylvania Department of Environmental Protection
Q - Qualifier
Conc - Concentration
RL - Reporting Limit
MDL - Minimum Detection Limit
GW - Groundwater
SHS - Statewide Health Standard
SIM - Selected Ion Monitoring
U - Compound was undetected at the listed laboratory method detection limit.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
Concentrations reported in miligrams per kilogram (mg/kg)
Applicable Non-Residential Soil to Groundwater MSCs
Bolded and Highlighted concentrations are exceedances of a corresponding standard
Italicized results are reporting limits that exceed the corresponding standard

Table 3
Summary of Temporary Well Groundwater Results for AST Closure
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX:	Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs Criteria	Pennsylvania Non-Residential Used Aquifer Groundwater MSCs Criteria	TW-1 L2158069-01 10/22/2021 WATER				TW-2 L2158069-02 10/22/2021 WATER				TW-3 L2158069-03 10/22/2021 WATER				TW-5 L2158069-04 10/22/2021 WATER				FIELD BLANK L2158069-09 10/22/2021 WATER				TRIP BLANK L2158069-10 10/22/2021 WATER				
ANALYTE	(ug/l)	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS BY GC/MS																											
1,2,4-Trimethylbenzene	7000	70	320		50	3.8	-	-	-		1.1	J	2.5	0.19	1.5	J	2.5	0.19	<0.19	U	2.5	0.19	<0.19	U	2.5	0.19	
Benzene	500	5	65		10	3.2	-	-	-		-	-	-		0.36	J	0.5	0.16	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16	
Total VOCs			385	-	-	-	-	-	-	-	1.1	-	-	-	1.86	-	-	-	-	-	-	-	-	-	-	-	
DISSOLVED METALS																											
Lead, Dissolved	5000	5	-	-	-	-	0.9818	J	1	0.343	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL METALS																											
Lead, Total	5000	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.343	U	1	0.343	-	-	-	-	

NOTES:

GC/MS - Gas Chromatography / Mass Spectrometry

J - The compound was detected; however, the concentration is below the laboratory method detection limit. Accordingly, this concentration is estimated.

MSC - Medium Specific Concentration

PADEP - Pennsylvania Department of Environmental Protection

Q - Qualifier

Conc - Concentration

RL - Reporting Limit

MDL - Minimum Detection Limit

SHS - Statewide Health Standard

SIM - Selected Ion Monitoring

U - Compound was undetected at the listed laboratory method detection limit.

ug/l - micrograms per liter

Bolded and Highlighted concentrations are exceedances of the corresponding standard

Italicized results are reporting limits that exceed the corresponding standard

Table 4
Summary of Temporary Well Groundwater Results
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX:	Pennsylvania Non- Residential Non-Use Aquifer Groundwater MSCs Criteria	Pennsylvania Non- Residential Used Aquifer Groundwater MSCs Criteria	TW-1 L2158070-01 10/22/2021 WATER				TW-2 L2158070-02 10/22/2021 WATER				TW-3 L2158070-03 10/22/2021 WATER				TW-5 L2158070-04 10/22/2021 WATER			
ANALYTE	(ug/l)	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																		
1,1,1-Trichloroethane	2000	200	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16
1,1,2-Trichloro-1,2,2-Trifluoroethane	170000	170000	<0.15	U	2.5	0.15	<0.15	U	2.5	0.15	<0.15	U	2.5	0.15	<0.15	U	2.5	0.15
1,1,2-Trichloroethane	50	5	<0.14	U	0.75	0.14	<0.14	U	0.75	0.14	<0.14	U	0.75	0.14	<0.14	U	0.75	0.14
1,1-Dichloroethane	1600	160	<0.21	U	0.75	0.21	<0.21	U	0.75	0.21	<0.21	U	0.75	0.21	<0.21	U	0.75	0.21
1,1-Dichloroethene	70	7	<0.17	U	0.5	0.17	<0.17	U	0.5	0.17	<0.17	U	0.5	0.17	<0.17	U	0.5	0.17
1,2,3-Trichlorobenzene	NS	NS	<0.23	U	2.5	0.23	<0.23	U	2.5	0.23	<0.23	U	2.5	0.23	<0.23	U	2.5	0.23
1,2,4-Trichlorobenzene	7000	70	<0.22	U	2.5	0.22	0.33	J	2.5	0.22	<0.22	U	2.5	0.22	<0.22	U	2.5	0.22
1,2,4-Trimethylbenzene	53000	530	390	E	2.5	0.19	0.96	J	2.5	0.19	1.4	J	2.5	0.19	1.3	J	2.5	0.19
1,2-Dibromo-3-chloropropane	20	0.2	<0.35	U	2.5	0.35	<0.35	U	2.5	0.35	<0.35	U	2.5	0.35	<0.35	U	2.5	0.35
1,2-Dibromoethane	5	0.05	<0.19	U	2	0.19	<0.19	U	2	0.19	<0.19	U	2	0.19	<0.19	U	2	0.19
1,2-Dichlorobenzene	60000	600	<0.18	U	2.5	0.18	0.58	J	2.5	0.18	0.85	J	2.5	0.18	<0.18	U	2.5	0.18
1,2-Dichloroethane	50	5	1.5		0.5	0.13	<0.13	U	0.5	0.13	<0.13	U	0.5	0.13	0.21	J	0.5	0.13
1,2-Dichloroethene, Total	NS	NS	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16
1,2-Dichloropropane	50	5	<0.14	U	1	0.14	<0.14	U	1	0.14	<0.14	U	1	0.14	<0.14	U	1	0.14
1,3-Dichlorobenzene	60000	600	<0.19	U	2.5	0.19	<0.19	U	2.5	0.19	<0.19	U	2.5	0.19	<0.19	U	2.5	0.19
1,3-Dichloropropene, Total	2700	27	<0.14	U	0.5	0.14	<0.14	U	0.5	0.14	<0.14	U	0.5	0.14	<0.14	U	0.5	0.14
1,4-Dichlorobenzene	7500	75	<0.19	U	2.5	0.19	<0.19	U	2.5	0.19	0.2	J	2.5	0.19	<0.19	U	2.5	0.19
2-Butanone	400000	4000	<1.9	U	5	1.9	<1.9	U	5	1.9	<1.9	U	5	1.9	<1.9	U	5	1.9
2-Hexanone	260	260	<0.52	U	5	0.52	<0.52	U	5	0.52	<0.52	U	5	0.52	<0.52	U	5	0.52
4-Methyl-2-pentanone	780000	7800	<0.42	U	5	0.42	<0.42	U	5	0.42	<0.42	U	5	0.42	<0.42	U	5	0.42
Acetone	880000	880000	<1.5	U	5	1.5	7.1		5	1.5	<1.5	U	5	1.5	13		5	1.5
Benzene	500	5	66		0.5	0.16	0.3	J	0.5	0.16	0.24	J	0.5	0.16	0.32	J	0.5	0.16
Bromochloromethane	90	90	<0.15	U	2.5	0.15	<0.15	U	2.5	0.15	<0.15	U	2.5	0.15	<0.15	U	2.5	0.15
Bromodichloromethane	80	80	<0.19	U	0.5	0.19	<0.19	U	0.5	0.19	<0.19	U	0.5	0.19	<0.19	U	0.5	0.19
Bromoform	8000	80	<0.25	U	2	0.25	<0.25	U	2	0.25	<0.25	U	2	0.25	<0.25	U	2	0.25
Bromomethane	1000	10	<0.26	U	1	0.26	<0.26	U	1	0.26	<0.26	U	1	0.26	<0.26	U	1	0.26
Carbon disulfide	6200	6200	<0.3	U	5	0.3	<0.3	U	5	0.3	<0.3	U	5	0.3	<0.3	U	5	0.3
Carbon tetrachloride	50	5	<0.13	U	0.5	0.13	<0.13	U	0.5	0.13	<0.13	U	0.5	0.13	<0.13	U	0.5	0.13
Chlorobenzene	10000	100	0.88		0.5	0.18	<0.18	U	0.5	0.18	1.6		0.5	0.18	<0.18	U	0.5	0.18
Chloroethane	5700000	88000	<0.13	U	1	0.13	<0.13	U	1	0.13	<0.13	U	1	0.13	<0.13	U	1	0.13
Chloroform	800	80	<0.22	U	0.75	0.22	<0.22	U	0.75	0.22	<0.22	U	0.75	0.22	<0.22	U	0.75	0.22
Chloromethane	3000	30	<0.2	U	2.5	0.2	<0.2	U	2.5	0.2	<0.2	U	2.5	0.2	<0.2	U	2.5	0.2
cis-1,2-Dichloroethene	700	70	<0.19	U	0.5	0.19	<0.19	U	0.5	0.19	<0.19	U	0.5	0.19	<0.19	U	0.5	0.19
cis-1,3-Dichloropropene	3400	34	<0.14	U	0.5	0.14	<0.14	U	0.5	0.14	<0.14	U	0.5	0.14	<0.14	U	0.5	0.14
Cyclohexane	53000	53000	78		10	0.27	0.35	J	10	0.27	7.1	J	10	0.27	<0.27	U	10	0.27
Dibromochloromethane	8000	80	<0.15	U	0.5	0.15	<0.15	U	0.5	0.15	<0.15	U	0.5	0.15	<0.15	U	0.5	0.15
Dichlorodifluoromethane	100000	1000	<0.24	U	5	0.24	<0.24	U	5	0.24	<0.24	U	5	0.24	<0.24	U	5	0.24
Ethylbenzene	70000	700	79		0.5	0.17	0.21	J	0.5	0.17	22		0.5	0.17	0.2	J	0.5	0.17
Isopropylbenzene	50000	3500	35		0.5	0.19	5.8		0.5	0.19	4.3		0.5	0.19	<0.19	U	0.5	0.19
Methyl Acetate	97000	97000	<0.23	U	2	0.23	<0.23	U	2	0.23	<0.23	U	2	0.23	<0.23	U	2	0.23
Methyl cyclohexane	NS	NS	110		10	0.4	4	J	10	0.4	8.6	J	10	0.4	0.41	J	10	0.4
Methyl tert butyl ether	200	20	0.72	J	1	0.17	<0.17	U	1	0.17	0.45	J	1	0.17	<0.17	U	1	0.17
Methylene chloride	500	5	<0.68	U	2.5	0.68	<0.68	U	2.5	0.68	<0.68	U	2.5	0.68	<0.68	U	2.5	0.68
o-Xylene	180000	10000	60		1	0.39	0.41	J	1	0.39	0.57	J	1	0.39	0.49	J	1	0.39
p/m-Xylene	180000	10000	180		1	0.33	0.71	J	1	0.33	1.5		1	0.33	0.69	J	1	0.33
Styrene	10000	100	<0.36	U	1	0.36	<0.36	U	1	0.36	<0.36	U	1	0.36	<0.36	U	1	0.36
Tetrachloroethene	50	5	<0.18	U	0.5	0.18	<0.18	U	0.5	0.18	<0.18	U	0.5	0.18	<0.18	U	0.5	0.18
Toluene	100000	1000	95		0.75	0.2	0.86		0.75	0.2	0.42	J	0.75	0.2	1.2		0.75	0.2
trans-1,2-Dichloroethene	1000	100	<0.16	U	0.75	0.16	<0.16	U	0.75	0.16	<0.16	U	0.75	0.16	<0.16	U	0.75	0.16
trans-1,3-Dichloropropene	3400	34	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16	<0.16	U	0.5	0.16
Trichloroethene	50	5	<0.18	U	0.5	0.18	<0.18	U	0.5	0.18	<0.18	U	0.5	0.18	<0.18	U	0.5	0.18
Trichlorofluoromethane	200000	2000	<0.16	U	2.5	0.16	<0.16	U	2.5	0.16	<0.16	U	2.5	0.16	<0.16	U	2.5	0.16
Vinyl chloride	20	2	<0.07	U	1	0.07	<0.07	U	1	0.07	<0.07	U	1	0.07	<0.07	U	1	0.07
Xylenes, Total	180000	10000	240		1	0.33	1.1	J	1	0.33	2.1	J	1	0.33	1.2	J	1	0.33
Total VOCs	NS	NS	706.1	-	-	-	20.65	-	-	-	47.83	-	-	-	16.52	-	-	-
Total TIC Compounds	NS	NS	313	J	0	0	342	J	0	0	199	J	0	0	179	J	0	0
VOLATILE ORGANICS BY GC/MS-SIM																		
1,1,2,2-Tetrachloroethane	430	4.3	<0.006	U	0.05	0.006	<0.006	U	0.05	0.006	<0.006	U	0.05	0.006	<0.006	U	0.05	0.006
1,4-Dioxane	270	27	<1.1	U	3	1.1	<1.1	U	3	1.1	<1.1	U	3	1.1	<1.1	U	3	1.1
DISSOLVED METALS																		
Lead, Dissolved	5000	5	2.126	J	5	1.715	9.312		1	0.343	0.791	J	1	0.343	0.3553	J	1	0.343

NOTES:
GC/MS - Gas Chromatography / Mass Spectrometry
J - The compound was detected; however, the concentration is below the laboratory method detection limit. Accordingly, this concentration is estimated.
MSC - Medium Specific Concentration
NS - No PADEP Groundwater Quality Standard established for this criteria
PADEP - Pennsylvania Department of Environmental Protection
Q - Qualifier
Conc - Concentration
RL - Reporting Limit
MDL - Minimum Detection Limit
GW - Groundwater
SHS - Statewide Health Standard
SIM - Selected Ion Monitoring
U - Compound was undetected at the listed laboratory method detection limit.
ug/l - micrograms per liter
Bolded and Highlighted concentrations are exceedances of the corresponding standard
Italicized results are reporting limits that exceed the corresponding standard

Table 5
Summary of Permanent Monitoring Wells Groundwater Results
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX: ANALYTE	Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs Criteria	Pennsylvania Non-Residential Used Aquifer Groundwater MSCs Criteria	MW-1				MW-2				MW-3				DUP-1				MW-4				FIELD BLANK				TRIP BLANK			
			L2158499-02				L2158499-01				L2158499-03				L2158499-05				L2158499-04				L2158499-06				L2158499-07			
			10/25/2021				10/25/2021				10/25/2021				10/25/2021				10/25/2021				10/25/2021				10/25/2021			
			WATER				WATER				WATER				WATER				WATER				WATER				WATER			
(ug/l)	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS BY GC/MS																														
1,1,1-Trichloroethane	2000	200	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
1,1,2-Trichloro-1,2,2-Trifluoroethane	170000	44000	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15
1,1,2-Trichloroethane	50	5	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14
1,1-Dichloroethane	1600	160	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21
1,1-Dichloroethene	70	7	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17
1,2,3-Trichlorobenzene	NS	NS	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23
1,2,4-Trichlorobenzene	7000	70	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22
1,2,4-Trimethylbenzene	53000	530	0.3	J	2.5	0.19	3	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	
1,2-Dibromo-3-chloropropane	20	0.2	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35
1,2-Dibromoethane	5	0.05	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19
1,2-Dichlorobenzene	60000	600	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18
1,2-Dichloroethane	50	5	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13
1,2-Dichloroethene, Total	NS	NS	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
1,2-Dichloropropane	50	5	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14
1,3-Dichlorobenzene	60000	600	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
1,3-Dichloropropene, Total	2700	27	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14
1,4-Dichlorobenzene	7500	75	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
2-Butanone	400000	4000	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9
2-Hexanone	260	260	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52
4-Methyl-2-pentanone	780000	7800	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42
Acetone	880000	88000	1.5	U	5	1.5	3.8	J	5	1.5	2.5	J	5	1.5	3.2	J	5	1.5	14	5	1.5	1.5	U	5	1.5	1.5	U	5	1.5	
Benzene	500	5	0.91	U	0.5	0.16	3.1	0.5	0.16	0.36	J	0.5	0.16	0.35	J	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	
Bromochloromethane	90	90	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15
Bromodichloromethane	80	80	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
Bromoform	8000	80	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25
Bromomethane	1000	10	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26
Carbon disulfide	6200	6200	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3
Carbon tetrachloride	50	5	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13
Chlorobenzene	10000	100	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18
Chloroethane	5700000	88000	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13
Chloroform	800	80	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22
Chloromethane	3000	30	0.27	J	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2
cis-1,2-Dichloroethene	700	70	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
cis-1,3-Dichloropropene	3400	34	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14
Cyclohexane	53000	53000	6.3	J	10	0.27	3.2	J	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27
Dibromochloromethane	8000	80	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15
Dichlorodifluoromethane	100000	1000	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24
Ethylbenzene	70000	700	0.17	U	0.5	0.17	0.45	J	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17
Isopropylbenzene	50000	3500	1.1	U	0.5	0.19	0.38	J	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19											

Table 5
Summary of Permanent Monitoring Wells Groundwater Results
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX:	Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs Criteria	Pennsylvania Non-Residential Used Aquifer Groundwater MSCs Criteria	MW-1				MW-2				MW-3				DUP-1				MW-4				FIELD BLANK				TRIP BLANK					
			L2158499-02				L2158499-01				L2158499-03				L2158499-05				L2158499-04				L2158499-06				L2158499-07					
			10/25/2021				10/25/2021				10/25/2021				10/25/2021				10/25/2021				10/25/2021				10/25/2021					
			WATER				WATER				WATER				WATER				WATER				WATER				WATER					
ANALYTE	(ug/l)				(ug/l)				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS-SIM																																
Benzo(a)anthracene	11	3.9	-	-	-	-	-	-	0.02	U	0.05	0.02	-	-	-	-	0.02	U	0.05	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	3.8	0.2	-	-	-	-	-	-	0.02	U	0.1	0.02	-	-	-	-	0.02	U	0.1	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1.2	1.2	-	-	-	-	-	-	0.01	U	0.05	0.01	-	-	-	-	0.01	U	0.05	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	0.26	0.26	-	-	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.55	0.55	-	-	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	76	0.76	-	-	-	-	-	-	0.02	U	0.1	0.02	-	-	-	-	0.02	U	0.1	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	290	6	-	-	-	-	-	-	0.51	U	1	0.51	-	-	-	-	0.51	U	1	0.51	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	0.6	0.6	-	-	-	-	-	-	0.01	U	0.05	0.01	-	-	-	-	0.01	U	0.05	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	6	1	-	-	-	-	-	-	0.01	U	0.02	0.01	-	-	-	-	0.01	U	0.02	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	100	1	-	-	-	-	-	-	0.06	U	0.2	0.06	-	-	-	-	0.06	U	0.2	0.06	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	62	2.3	-	-	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
n-Nitrosodi-n-propylamine	NS	NS	-	-	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	1000	1	-	-	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	0.01	U	0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Total SVOCs	NS	NS	-	-	-	-	-	-	0.71	-	-	-	-	-	-	-	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:
GC/MS - Gas Chromatography / Mass Spectrometry
J - The compound was detected; however, the concentration is below the laboratory method detection limit. Accordingly, this concentration is estimated.
MSC - Medium Specific Concentration
NS - No PADEP Groundwater Quality Standard established for this criteria
PADEP - Pennsylvania Department of Environmental Protection
Q - Qualifier
Conc - Concentration
RL - Reporting Limit
MDL - Minimum Detection Limit
SHS - Statewide Health Standard
SIM - Selected Ion Monitoring
U - Compound was undetected at the listed laboratory method detection limit.
ug/l - micrograms per liter
Bolded and Highlighted concentrations are exceedances of the corresponding standard
Italicized results are reporting limits that exceed the corresponding standard

Table 6
Monitoring Well Construction Details
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

Well ID	Date Installed	Top of Casing Elevation, ft, msl	Well Diameter, inches	Depth to Top of Screen, ft bgs	Total Depth, ftbgs	Screen Length, ft
MW-1	No Info	14.19	2	4*	20	16
MW-2	No Info	16.44	2	4*	25	21
MW-3	No Info	19.33	2	2*	26	24
MW-4	No Info	28.76	2	5*	20	15
MW-5	No Info	29.02	2	3.5*	20	16.5
MW-7	3/16/2022	19.17	2	3	15	12
MW-8	3/16/2022	23.09	2	3	22	19
MW-9	3/16/2022	31.36	2	3	20	17

Notes:

* Depth to screen estimated using downhole camera.

(1) For MW-1 through MW-5, total depth and screen lengths are estimated using available information from field; no well construction logs available.

Table 7
Summary of Groundwater Elevation Data
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

Well ID	Top of Casing Elevation, ft msl	10/25/2021		4/1/2022		7/11/2022	
		Depth to Water, feet below TOC	Groundwater Elevation, feet msl	Depth to Water, feet below TOC	Groundwater Elevation, feet msl	Depth to Water, feet below TOC	Groundwater Elevation, feet msl
MW-1	14.19	10.40	3.79	10.14	4.05	10.37	3.82
MW-2	16.44	7.23	9.21	6.88	9.56	7.08	9.36
MW-3	19.33	6.74	12.59	4.46	14.87	5.93	13.40
MW-4	28.76	11.62	17.14	12.92	15.84	10.45	18.31
MW-5	29.02	11.84	17.18	12.09	16.93	11.94	17.08
MW-7	19.17	NI	NI	4.96	14.21	5.15	14.02
MW-8	23.09	NI	NI	4.14	18.95	4.29	18.80
MW-9	31.36	NI	NI	9.93	21.43	10.73	20.63

Notes:

NI - Not Installed

Table 8
Summary of Groundwater Monitoring Results - April 2022
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:	Pennsylvania Non-Residential Non- Use Aquifer Groundwater MSCs Criteria	Pennsylvania Non-Residential Used Aquifer Groundwater MSCs Criteria	MW-1				MW-2				MW-3				MW-4				MW-5				MW-7				
LAB ID:			L2216990-01				L2216990-02				L2216990-03				L2216990-04				L2216990-05				L2216990-06				
COLLECTION DATE:			4/1/2022				4/1/2022				4/1/2022				4/1/2022				4/1/2022				4/1/2022				
SAMPLE MATRIX:			WATER				WATER				WATER				WATER				WATER				WATER				
ANALYTE	(ug/l)	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
Volatile Organics by GC/MS																											
1,1,1-Trichloroethane	2000	200	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	
1,1,2-Trichloro-1,2,2-Trifluoroethane	170000	44000	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	
1,1,2-Trichloroethane	50	5	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	
1,1-Dichloroethane	1600	160	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	
1,1-Dichloroethene	70	7	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	
1,2,3-Trichlorobenzene	NS	NS	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	
1,2,4-Trichlorobenzene	7000	70	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	
1,2,4-Trimethylbenzene	53000	530	0.19	U	2.5	0.19	3.3		2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	33		2.5	0.19	
1,2-Dibromo-3-chloropropane	20	0.2	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	
1,2-Dibromoethane	5	0.05	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	
1,2-Dichlorobenzene	60000	600	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	
1,2-Dichloroethane	50	5	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.66		0.5	0.13	
1,2-Dichloroethene, Total	NS	NS	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	
1,2-Dichloropropane	50	5	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	
1,3,5-Trimethylbenzene	530	530	0.22	U	2.5	0.22	4		2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	13		2.5	0.22	
1,3-Dichlorobenzene	60000	600	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	
1,3-Dichloropropene, Total	2700	27	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	
1,4-Dichlorobenzene	7500	75	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	
2-Butanone	400000	4000	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	
2-Hexanone	260	260	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	
4-Methyl-2-pentanone	780000	7800	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	
Acetone	880000	88000	1.5	U	5	1.5	4.6	J	5	1.5	5.7		5	1.5	12		5	1.5	1.5	U	5	1.5	1.5	U	5	1.5	
Benzene	500	5	0.98		0.5	0.16	3.3		0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	53		0.5	0.16	
Bromochloromethane	90	90	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	
Bromodichloromethane	80	80	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	
Bromoform	8000	80	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	
Bromomethane	1000	10	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	
Carbon disulfide	6200	6200	0.3	U	5	0.3	0.36	J	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.64	J	5	0.3	
Carbon tetrachloride	50	5	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	
Chlorobenzene	10000	100	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	
Chloroethane	5700000	88000	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	
Chloroform	800	80	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	
Chloromethane	3000	30	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	
cis-1,2-Dichloroethene	700	70	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	
cis-1,3-Dichloropropene	3400	34	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	
Cyclohexane	53000	53000	9.5	J	10	0.27	3.6	J	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	7.7	J	10	0.27	
Dibromochloromethane	8000	80	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	
Dichlorodifluoromethane	100000	1000	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	
Ethylbenzene	70000	700	0.17	U	0.5	0.17	0.37	J	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	7		0.5	0.17	
Isopropylbenzene	50000	3500	2.2		0.5	0.19	0.38	J	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	2.3		0.5	0.19	
Methyl Acetate	97000	97000	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	
Methyl cyclohexane	NS	NS	0.4	U	10	0.4	2.7	J	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4	8.2	J	10	0.4	
Methyl tert butyl ether	200	20	0.17	U	1	0.17	2.4		1	0.17	0.17	U	1														

Table 8
Summary of Groundwater Monitoring Results - April 2022
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX: ANALYTE	Pennsylvania Non-Residential Non- Use Aquifer Groundwater MSCs Criteria	Pennsylvania Non-Residential Used Aquifer Groundwater MSCs Criteria	DUP-1 (MW-7)				MW-8				MW-9				FIELD BLANK				TRIP BLANK			
			L2216990-09				L2216990-07				L2216990-08				L2216990-10				L2216990-11			
			4/1/2022				4/1/2022				4/1/2022				4/1/2022				4/1/2022			
			WATER				WATER				WATER				WATER				WATER			
	(ug/l)	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Volatile Organics by GC/MS																						
1,1,1-Trichloroethane	2000	200	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
1,1,2-Trichloro-1,2,2-Trifluoroethane	170000	44000	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15
1,1,2-Trichloroethane	50	5	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14
1,1-Dichloroethane	1600	160	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21
1,1-Dichloroethene	70	7	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17
1,2,3-Trichlorobenzene	NS	NS	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23
1,2,4-Trichlorobenzene	7000	70	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22
1,2,4-Trimethylbenzene	53000	530	34		2.5	0.19	0.19	U	2.5	0.19	180		2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
1,2-Dibromo-3-chloropropane	20	0.2	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35
1,2-Dibromoethane	5	0.05	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19
1,2-Dichlorobenzene	60000	600	0.18	U	2.5	0.18	0.25	J	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18
1,2-Dichloroethane	50	5	0.58		0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13
1,2-Dichloroethene, Total	NS	NS	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
1,2-Dichloropropane	50	5	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14
1,3,5-Trimethylbenzene	530	530	14		2.5	0.22	0.22	U	2.5	0.22	60		2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22
1,3-Dichlorobenzene	60000	600	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
1,3-Dichloropropene, Total	2700	27	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14
1,4-Dichlorobenzene	7500	75	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
2-Butanone	400000	4000	1.9	U	5	1.9	1.9	U	5	1.9	22		5	1.9	1.9	U	5	1.9	1.9	U	5	1.9
2-Hexanone	260	260	0.52	U	5	0.52	0.52	U	5	0.52	3.7	J	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52
4-Methyl-2-pentanone	780000	7800	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42
Acetone	880000	88000	1.5	U	5	1.5	1.5	U	5	1.5	110		5	1.5	1.5	U	5	1.5	1.5	U	5	1.5
Benzene	500	5	50		0.5	0.16	0.16	U	0.5	0.16	1.3		0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
Bromochloromethane	90	90	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15
Bromodichloromethane	80	80	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
Bromoform	8000	80	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25
Bromomethane	1000	10	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26
Carbon disulfide	6200	6200	0.59	J	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3
Carbon tetrachloride	50	5	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13
Chlorobenzene	10000	100	0.18	U	0.5	0.18	0.22	J	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18
Chloroethane	5700000	88000	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13
Chloroform	800	80	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22
Chloromethane	3000	30	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2
cis-1,2-Dichloroethene	700	70	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
cis-1,3-Dichloropropene	3400	34	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14
Cyclohexane	53000	53000	8.2	J	10	0.27	5.8	J	10	0.27	0.34	J	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27
Dibromochloromethane	8000	80	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15
Dichlorodifluoromethane	100000	1000	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24
Ethylbenzene	70000	700	7.2		0.5	0.17	0.17	U	0.5	0.17	17		0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17
Isopropylbenzene	50000	3500	2.7		0.5	0.19	3		0.5	0.19	8.8		0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
Methyl Acetate	97000	97000	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23
Methyl cyclohexane	NS	NS	8.4	J	10	0.4	5.2	J	10	0.4	3.6	J	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4
Methyl tert butyl ether	200	20	0.87	J	1	0.17	0.17	U	1	0.17	0.17	U	1	0.17	0.17	U	1	0.17	0.17	U	1	0.17
Methylene chloride	500	5	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68
Naphthalene	10000	100	8.8		1	0.22	0.36	J	1	0.22	150		1	0.22	0.22	U	1	0.22	0.22	U	1	0.22
o-Xylene	180000	10000	4		1	0.39	0.39	U	1	0.39	81		1	0.39	0.39	U	1	0.39	0.39	U	1	0.39
p/m-Xylene	180000	10000	8.9		1	0.33	0.33	U	1	0.33	110		1	0.33	0.33	U	1	0.33	0.33	U	1	0.33
Styrene	10000	100	0.36	U	1	0.36	0.36	U	1	0.36	0.36	U	1	0.36	0.36	U	1	0.36	0.36	U	1	0.36
Tetrachloroethene	50	5	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18
Toluene	100000	1000	7.2		0.75	0.2	0.2	U	0.75	0.2	14		0.75	0.2	0.2	U	0.75	0.2	0.2	U	0.75	0.2
trans-1,2-Dichloroethene	1000	100	0.16	U	0.75	0.16	0.16	U	0.75	0.16	0.16	U	0.75	0.16	0.16	U	0.75	0.16	0.16	U	0.75	0.16
trans-1,3-Dichloropropene	3400	34	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16

Table 9
Summary of Groundwater Monitoring Results - July 2022
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID:	Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs Criteria	Pennsylvania Non-Residential Used Aquifer Groundwater MSCs Criteria	MW-1 L2236752-01				MW-2 L2236752-02				MW-3 L2236752-03				MW-4 L2236752-04				MW-5 L2236752-05				MW-7 L2236752-06				
COLLECTION DATE:			7/11/2022				7/11/2022				7/11/2022				7/11/2022				7/11/2022				7/11/2022				
SAMPLE MATRIX:			WATER				WATER				WATER				WATER				WATER				WATER				
ANALYTE	(ug/l)	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS BY GC/MS																											
1,1,1-Trichloroethane	2000	200	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.79	U	2.5	0.79	
1,1,2-Trichloro-1,2,2-Trifluoroethane	170000	44000	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.74	U	12	0.74	
1,1,2-Trichloroethane	50	5	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.72	U	3.8	0.72	
1,1-Dichloroethane	1600	160	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	1	U	3.8	1	
1,1-Dichloroethene	70	7	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.84	U	2.5	0.84	
1,2,3-Trichlorobenzene	NS	NS	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	1.2	U	12	1.2	
1,2,4-Trichlorobenzene	7000	70	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	1.1	U	12	1.1	
1,2,4-Trimethylbenzene	53000	530	0.52	J	2.5	0.19	3.1		2.5	0.19	0.34	J	2.5	0.19	0.37	J	2.5	0.19	0.19	U	2.5	0.19	9.8	J	12	0.96	
1,2-Dibromo-3-chloropropane	20	0.2	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	1.8	U	12	1.8	
1,2-Dibromoethane	5	0.05	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.96	U	10	0.96	
1,2-Dichlorobenzene	60000	600	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.92	U	12	0.92	
1,2-Dichloroethane	50	5	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.66	U	2.5	0.66	
1,2-Dichloroethene, Total	NS	NS	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.82	U	2.5	0.82	
1,2-Dichloropropane	50	5	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.68	U	5	0.68	
1,3,5-Trimethylbenzene	530	530	0.22	U	2.5	0.22	3.7		2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	3.8	J	12	1.1	
1,3-Dichlorobenzene	60000	600	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.93	U	12	0.93	
1,3-Dichloropropene, Total	2700	27	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.72	U	2.5	0.72	
1,4-Dichlorobenzene	7500	75	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.94	U	12	0.94	
2-Butanone	400000	4000	1.9	U	5	1.9	2.3	J	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	9.7	U	25	9.7	
2-Hexanone	260	260	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	2.6	U	25	2.6	
4-Methyl-2-pentanone	780000	7800	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	2.1	U	25	2.1	
Acetone	880000	88000	1.5	U	5	1.5	3.1	J	5	1.5	3.4	J	5	1.5	8.4		5	1.5	1.5	U	5	1.5	12	J	25	7.3	
Benzene	500	5	0.68		0.5	0.16	3.2		0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	37		2.5	0.8	
Bromochloromethane	90	90	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.76	U	12	0.76	
Bromodichloromethane	80	80	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.96	U	2.5	0.96	
Bromoform	8000	80	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	1.2	U	10	1.2	
Bromomethane	1000	10	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	1.3	U	5	1.3	
Carbon disulfide	6200	6200	0.3	U	5	0.3	0.45	J	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	1.5	U	25	1.5	
Carbon tetrachloride	50	5	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.67	U	2.5	0.67	
Chlorobenzene	10000	100	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.89	U	2.5	0.89	
Chloroethane	5700000	88000	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.67	U	5	0.67	
Chloroform	800	80	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	1.1	U	3.8	1.1	
Chloromethane	3000	30	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	1	U	12	1	
cis-1,2-Dichloroethene	700	70	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.94	U	2.5	0.94	
cis-1,3-Dichloropropene	3400	34	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.72	U	2.5	0.72	
Cyclohexane	53000	53000	8.2	J	10	0.27	2.8	J	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	2.6	J	50	1.4	
Dibromochloromethane	8000	80	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.74	U	2.5	0.74	
Dichlorodifluoromethane	100000	1000	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	1.2	U	25	1.2	
Ethylbenzene	70000	700	0.17	U	0.5	0.17	0.41	J	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	2.4	J	2.5	0.84	
Isopropylbenzene	50000	3500	1.8		0.5	0.19	0.38	J	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.94	J	2.5	0.94	
Methyl Acetate	97000	97000	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	1.2	U	10	1.2	
Methyl cyclohexane	NS	NS	8.4	J	10	0.4	3.1	J	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4	3.3	J	50	2</	

Table 9
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Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID:	Pennsylvania Non-Residential Non-Use Aquifer Groundwater MSCs Criteria	Pennsylvania Non-Residential Used Aquifer Groundwater MSCs Criteria	MW-8				MW-9				DUP-1				FIELD BLANK				TRIP BLANK			
L2236752-07				L2236752-08				L2236752-09				L2236752-10				L2236752-11						
COLLECTION DATE:			7/11/2022				7/11/2022				7/11/2022				7/11/2022				7/11/2022			
SAMPLE MATRIX:	WATER				WATER				WATER				WATER				WATER					
ANALYTE	(ug/l)	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																						
1,1,1-Trichloroethane	2000	200	0.32	U	1	0.32	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
1,1,2-Trichloro-1,2,2-Trifluoroethane	170000	44000	0.3	U	5	0.3	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15
1,1,2-Trichloroethane	50	5	0.29	U	1.5	0.29	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14
1,1-Dichloroethane	1600	160	0.42	U	1.5	0.42	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21
1,1-Dichloroethene	70	7	0.34	U	1	0.34	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17
1,2,3-Trichlorobenzene	NS	NS	0.47	U	5	0.47	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23
1,2,4-Trichlorobenzene	7000	70	0.44	U	5	0.44	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22
1,2,4-Trimethylbenzene	53000	530	0.73	J	5	0.38	100		2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
1,2-Dibromo-3-chloropropane	20	0.2	0.71	U	5	0.71	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35
1,2-Dibromoethane	5	0.05	0.39	U	4	0.39	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19
1,2-Dichlorobenzene	60000	600	0.87	J	5	0.37	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18
1,2-Dichloroethane	50	5	0.26	U	1	0.26	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13
1,2-Dichloroethene, Total	NS	NS	0.33	U	1	0.33	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
1,2-Dichloropropane	50	5	0.27	U	2	0.27	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14
1,3,5-Trimethylbenzene	530	530	0.43	U	5	0.43	34		2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22
1,3-Dichlorobenzene	60000	600	0.37	U	5	0.37	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
1,3-Dichloropropene, Total	2700	27	0.29	U	1	0.29	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14
1,4-Dichlorobenzene	7500	75	0.37	U	5	0.37	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
2-Butanone	400000	4000	13		10	3.9	15		5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9
2-Hexanone	260	260	1	U	10	1	2.1	J	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52
4-Methyl-2-pentanone	780000	7800	0.83	U	10	0.83	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42
Acetone	880000	88000	2.9	U	10	2.9	96		5	1.5	1.5	U	5	1.5	1.5	U	5	1.5	1.5	U	5	1.5
Benzene	500	5	0.32	U	1	0.32	1.3		0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
Bromochloromethane	90	90	0.3	U	5	0.3	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15
Bromodichloromethane	80	80	0.38	U	1	0.38	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
Bromoform	8000	80	0.5	U	4	0.5	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25
Bromomethane	1000	10	0.51	U	2	0.51	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26
Carbon disulfide	6200	6200	0.6	U	10	0.6	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3
Carbon tetrachloride	50	5	0.27	U	1	0.27	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13
Chlorobenzene	10000	100	0.36	U	1	0.36	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18
Chloroethane	5700000	88000	0.27	U	2	0.27	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13
Chloroform	800	80	0.44	U	1.5	0.44	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22
Chloromethane	3000	30	0.4	U	5	0.4	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2
cis-1,2-Dichloroethene	700	70	0.37	U	1	0.37	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
cis-1,3-Dichloropropene	3400	34	0.29	U	1	0.29	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14
Cyclohexane	53000	53000	8.5	J	20	0.54	0.27	U	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27
Dibromochloromethane	8000	80	0.3	U	1	0.3	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15
Dichlorodifluoromethane	100000	1000	0.49	U	10	0.49	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24
Ethylbenzene	70000	700	0.33	U	1	0.33	11		0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17
Isopropylbenzene	50000	3500	30		1	0.37	4.9		0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
Methyl Acetate	97000	97000	0.47	U	4	0.47	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23
Methyl cyclohexane	NS	NS	14	J	20	0.79	1.8	J	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4
Methyl tert butyl ether	200	20	0.33	U	2	0.33	0.17	U	1	0.17	0.17	U	1	0.17	0.17	U	1	0.17	0.17	U	1	0.17
Methylene chloride	500	5	1.4	U	5	1.4	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68
Naphthalene	10000	100	1.3	J	2	0.43	41		1	0.22	0.22	U	1	0.22	0.22	U	1	0.22	0.22	U	1	0.22
o-Xylene	180000	10000	0.78	U	2	0.78	76		1	0.39	0.39	U	1	0.39	0.39	U	1	0.39	0.39	U	1	0.39
p/m-Xylene	180000	10000	0.66	U	2	0.66	88		1	0.33	0.33	U	1	0.33	0.33	U	1	0.33	0.33	U	1	0.33
Styrene	10000	100	0.72	U	2	0.72	0.36	U	1	0.36	0.36	U	1	0.36	0.36	U	1	0.36	0.36	U	1	0.36
Tetrachloroethene	50	5	0.36	U	1	0.36	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18
Toluene	100000	1000	0.41	U	1.5	0.41	14		0.75	0.2	0.2	U	0.75	0.2	0.2	U	0.75	0.2	0.2	U	0.75	0.2
trans-1,2-Dichloroethene	1000	100	0.33	U	1.5	0.33	0.16	U	0.75	0.16	0.16	U	0.75	0.16	0.16	U	0.75	0.16	0.16	U	0.75	0.16
trans-1,3-Dichloropropene	3400	34	0.33	U	1	0.33	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.1

Table 10
Summary of April 2022 Groundwater Results Relative to Vapor Intrusion Screening Criteria
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:	Pennsylvania Nonresidential Groundwater Statewide Health Standard Vapor Intrusion Screening Values	MW-8				MW-9				DUP-1				FIELD BLANK				TRIP BLANK			
LAB ID:		L2216990-07				L2216990-08				L2216990-09				L2216990-10				L2216990-11			
COLLECTION DATE:		4/1/2022				4/1/2022				4/1/2022				4/1/2022				4/1/2022			
SAMPLE MATRIX:		WATER				WATER				WATER				WATER				WATER			
ANALYTE	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																					
1,1,1-Trichloroethane	160000	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
1,1,2-Trichloro-1,2,2-Trifluoroethane	44000	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15
1,1,2-Trichloroethane	140	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14
1,1-Dichloroethane	1600	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21
1,1-Dichloroethene	3800	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17
1,2,3-Trichlorobenzene	NS	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23
1,2,4-Trichlorobenzene	1000	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22
1,2,4-Trimethylbenzene	6400	0.19	U	2.5	0.19	180		2.5	0.19	34		2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
1,2-Dibromo-3-chloropropane	22	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35
1,2-Dibromoethane	44	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19
1,2-Dichlorobenzene	69000	0.25	J	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18
1,2-Dichloroethane	510	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.58		0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13
1,2-Dichloroethene, Total	NS	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
1,2-Dichloropropane	5	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14
1,3,5-Trimethylbenzene	4500	0.22	U	2.5	0.22	60		2.5	0.22	14		2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22
1,3-Dichlorobenzene	NS	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
1,3-Dichloropropene, Total	1100	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14
1,4-Dichlorobenzene	680	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19
2-Butanone	49000000	1.9	U	5	1.9	22		5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9
2-Hexanone	200000	0.52	U	5	0.52	3.7	J	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52
4-Methyl-2-pentanone	13000000	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42
Acetone	470000000	1.5	U	5	1.5	110		5	1.5	1.5	U	5	1.5	1.5	U	5	1.5	1.5	U	5	1.5
Benzene	350	0.16	U	0.5	0.16	1.3		0.5	0.16	50		0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
Bromochloromethane	15000	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15
Bromodichloromethane	200	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
Bromoform	30000	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25
Bromomethane	330	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26
Carbon disulfide	25000	0.3	U	5	0.3	0.3	U	5	0.3	0.59	J	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3
Carbon tetrachloride	91	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13
Chlorobenzene	9600	0.22	J	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18
Chloroethane	440000	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13
Chloroform	180	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22
Chloromethane	810	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2
cis-1,2-Dichloroethene	NS	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
cis-1,3-Dichloropropene	NS	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14
Cyclohexane	53000	5.8	J	10	0.27	0.34	J	10	0.27	8.2	J	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27
Dibromochloromethane	670	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15
Dichlorodifluoromethane	1000	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24
Ethylbenzene	860	0.17	U	0.5	0.17	17		0.5	0.17	7.2		0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17
Isopropylbenzene	24000	3		0.5	0.19	8.8		0.5	0.19	2.7		0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19
Methyl Acetate	NS	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23
Methyl cyclohexane	NS	5.2	J	10	0.4	3.6	J	10	0.4	8.4	J	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4
Methyl tert butyl ether	96000	0.17	U	1	0.17	0.17	U	1	0.17	0.87	J	1	0.17	0.17	U	1	0.17	0.17	U	1	0.17
Methylene chloride	95000	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68
Naphthalene	1300	0.36	J	1	0.22	150		1	0.22	8.8		1	0.22	0.22	U	1	0.22	0.22	U	1	0.22
o-Xylene	NS	0.39	U	1	0.39	81		1	0.39	4		1	0.39	0.39	U	1	0.39	0.39	U	1	0.39
p/m-Xylene	NS	0.33	U	1	0.33	110		1	0.33	8.9		1	0.33	0.33	U	1	0.33	0.33	U	1	0.33
Styrene	220000	0.36	U	1	0.36	0.36	U	1	0.36	0.36	U	1	0.36	0.36	U	1	0.36	0.36	U	1	0.36
Tetrachloroethene	1300	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18
Toluene	430000	0.2	U	0.75	0.2	14		0.75	0.2	7.2		0.75	0.2	0.2	U	0.75	0.2	0.2	U	0.75	0.2
trans-1,2-Dichloroethene	7600	0.16	U	0.75	0.16	0.16	U	0.75	0.16	0.16	U	0.75	0.16	0.16	U	0.75	0.16	0.16	U	0.75	0.16
trans-1,3-Dichloropropene	NS	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16
Trichloroethene	110	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18
Trichlorofluoromethane	3600	0.16	U	2.5	0.16	0.16	U	2.5	0.16	0.16	U	2.5	0.16	0.16	U	2.5	0.16	0.16	U	2.5	0.16
Vinyl chloride	53	0.07	U	1	0.07	0.07	U	1	0.07	0.07	U	1	0.07	0.07	U						

Table 11
Summary of July 2022 Groundwater Results Relative to Vapor Intrusion Screening Criteria
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:	Pennsylvania Nonresidential Groundwater Statewide Health Standard Vapor Intrusion Screening Values	MW-1				MW-2				MW-3				MW-4				MW-5				MW-7			
LAB ID:		L2236752-01				L2236752-02				L2236752-03				L2236752-04				L2236752-05				L2236752-06			
COLLECTION DATE:		7/11/2022				7/11/2022				7/11/2022				7/11/2022				7/11/2022				7/11/2022			
SAMPLE MATRIX:		WATER				WATER				WATER				WATER				WATER				WATER			
ANALYTE	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																									
1,1,1-Trichloroethane	160000	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.79	U	2.5	0.79
1,1,2-Trichloro-1,2,2-Trifluoroethane	44000	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.74	U	12	0.74
1,1,2-Trichloroethane	140	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.14	U	0.75	0.14	0.72	U	3.8	0.72
1,1-Dichloroethane	1600	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	0.21	U	0.75	0.21	1	U	3.8	1
1,1-Dichloroethene	3800	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.84	U	2.5	0.84
1,2,3-Trichlorobenzene	NS	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	0.23	U	2.5	0.23	1.2	U	12	1.2
1,2,4-Trichlorobenzene	1000	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	1.1	U	12	1.1
1,2,4-Trimethylbenzene	6400	0.52	J	2.5	0.19	3.1		2.5	0.19	0.34	J	2.5	0.19	0.37	J	2.5	0.19	0.19	U	2.5	0.19	9.8	J	12	0.96
1,2-Dibromo-3-chloropropane	22	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	0.35	U	2.5	0.35	1.8	U	12	1.8
1,2-Dibromoethane	44	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.19	U	2	0.19	0.96	U	10	0.96
1,2-Dichlorobenzene	69000	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.18	U	2.5	0.18	0.92	U	12	0.92
1,2-Dichloroethane	510	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.66	U	2.5	0.66
1,2-Dichloroethene, Total	NS	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.82	U	2.5	0.82
1,2-Dichloropropane	5	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.14	U	1	0.14	0.68	U	5	0.68
1,3,5-Trimethylbenzene	4500	0.22	U	2.5	0.22	3.7		2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	0.22	U	2.5	0.22	3.8	J	12	1.1
1,3-Dichlorobenzene	NS	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.93	U	12	0.93
1,3-Dichloropropene, Total	1100	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.72	U	2.5	0.72
1,4-Dichlorobenzene	680	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.19	U	2.5	0.19	0.94	U	12	0.94
2-Butanone	49000000	1.9	U	5	1.9	2.3	J	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	1.9	U	5	1.9	9.7	U	25	9.7
2-Hexanone	200000	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	0.52	U	5	0.52	2.6	U	25	2.6
4-Methyl-2-pentanone	13000000	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	0.42	U	5	0.42	2.1	U	25	2.1
Acetone	470000000	1.5	U	5	1.5	3.1	J	5	1.5	3.4	J	5	1.5	8.4		5	1.5	1.5	U	5	1.5	12	J	25	7.3
Benzene	350	0.68		0.5	0.16	3.2		0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	0.16	U	0.5	0.16	37		2.5	0.8
Bromochloromethane	15000	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.15	U	2.5	0.15	0.76	U	12	0.76
Bromodichloromethane	200	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.96	U	2.5	0.96
Bromoform	30000	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	0.25	U	2	0.25	1.2	U	10	1.2
Bromomethane	330	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	0.26	U	1	0.26	1.3	U	5	1.3
Carbon disulfide	25000	0.3	U	5	0.3	0.45	J	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	0.3	U	5	0.3	1.5	U	25	1.5
Carbon tetrachloride	91	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.13	U	0.5	0.13	0.67	U	2.5	0.67
Chlorobenzene	9600	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.18	U	0.5	0.18	0.89	U	2.5	0.89
Chloroethane	440000	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.13	U	1	0.13	0.67	U	5	0.67
Chloroform	180	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	0.22	U	0.75	0.22	1.1	U	3.8	1.1
Chloromethane	810	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	0.2	U	2.5	0.2	1	U	12	1
cis-1,2-Dichloroethene	NS	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.94	U	2.5	0.94
cis-1,3-Dichloropropene	NS	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.14	U	0.5	0.14	0.72	U	2.5	0.72
Cyclohexane	53000	8.2	J	10	0.27	2.8	J	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	0.27	U	10	0.27	2.6	J	50	1.4
Dibromochloromethane	670	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.15	U	0.5	0.15	0.74	U	2.5	0.74
Dichlorodifluoromethane	1000	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	0.24	U	5	0.24	1.2	U	25	1.2
Ethylbenzene	860	0.17	U	0.5	0.17	0.41	J	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	0.17	U	0.5	0.17	2.4	J	2.5	0.84
Isopropylbenzene	24000	1.8		0.5	0.19	0.38	J	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.19	U	0.5	0.19	0.94	J	2.5	0.94
Methyl Acetate	NS	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	0.23	U	2	0.23	1.2	U	10	1.2
Methyl cyclohexane	NS	8.4	J	10	0.4	3.1	J	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4	0.4	U	10	0.4	3.3	J	50	2
Methyl tert butyl ether	96000	0.17	U	1	0.17	2.1		1	0.17	0.17	U	1	0.17	0.17	U	1	0.17	0.17	U	1	0.17	0.83	U	5	0.83
Methylene chloride	95000	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68	0.68	U	2.5	0.68	3.4	U	12	

Table 12
Summary of Soil Sampling
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:	Pennsylvania Non-Residential Direct Contact Surface Soil (0-2') MSCs Criteria	Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria	Pennsylvania Non-Residential Generic Soil to Groundwater MSCs Criteria	Pennsylvania Non-Residential 100X GW Soil to Groundwater MSCs Criteria	MW-8 (5.5-6)				SB-201 (8.5-9)				SB-202 (8.5-9)				SB-202 (8.5-9)				SB-203 (8.5-9)				SB-203 (8.5-9)			
					L2213931-01				L2213931-02				L2213931-03				L2213931-03 R1				L2213931-04				L2213931-04 R1			
					3/16/2022				3/16/2022				3/16/2022				3/16/2022				3/16/2022				3/16/2022			
					5.5-6				8.5-9				8.5-9				8.5-9				8.5-9				8.5-9			
					SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																												
1,1,1-Trichloroethane	10000	10000	7.2	20	0.00019	U	0.00057	0.00019	0.086	U	0.26	0.086	0.13	U	0.4	0.13	-	-	-	-	0.026	U	0.079	0.026	-	-	-	-
1,1,2,2-Tetrachloroethane	38	44	0.13	0.43	0.00019	U	0.00057	0.00019	0.085	U	0.26	0.085	0.13	U	0.4	0.13	-	-	-	-	0.026	U	0.079	0.026	-	-	-	-
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	10000	10000	4400	0.00079	U	0.0045	0.00079	0.36	U	2	0.36	0.56	U	3.2	0.56	-	-	-	-	0.11	U	0.63	0.11	-	-	-	-
1,1,2-Trichloroethane	16	18	0.15	0.5	0.0003	U	0.0011	0.0003	0.14	U	0.51	0.14	0.22	U	0.81	0.22	-	-	-	-	0.042	U	0.16	0.042	-	-	-	-
1,1-Dichloroethane	1400	1600	3.9	16	0.00016	U	0.0011	0.00016	0.074	U	0.51	0.074	0.12	U	0.81	0.12	-	-	-	-	0.023	U	0.16	0.023	-	-	-	-
1,1-Dichloroethene	10000	10000	0.19	0.7	0.00027	U	0.0011	0.00027	0.12	U	0.51	0.12	0.19	U	0.81	0.19	-	-	-	-	0.038	U	0.16	0.038	-	-	-	-
1,2,3-Trichlorobenzene	NS	NS	NS	NS	0.00037	U	0.0023	0.00037	0.16	U	1	0.16	0.26	U	1.6	0.26	-	-	-	-	0.051	U	0.32	0.051	-	-	-	-
1,2,4-Trichlorobenzene	160	190	27	7	0.00031	U	0.0023	0.00031	0.14	U	1	0.14	0.22	U	1.6	0.22	-	-	-	-	0.043	U	0.32	0.043	-	-	-	-
1,2,4-Trimethylbenzene	4700	5400	300	53	0.0011	J	0.0023	0.00038	0.27	J	1	0.17	1.9		1.6	0.27	-	-	-	-	0.92		0.32	0.053	-	-	-	-
1,2-Dibromo-3-chloropropane	0.37	0.42	0.0092	0.02	0.0011	U	0.0034	0.0011	0.51	U	1.5	0.51	0.81	U	2.4	0.81	-	-	-	-	0.16	U	0.47	0.16	-	-	-	-
1,2-Dibromomethane	3.7	4.2	0.0012	0.005	0.00033	U	0.00057	0.00033	0.15	U	0.26	0.15	0.24	U	0.4	0.24	-	-	-	-	0.046	U	0.079	0.046	-	-	-	-
1,2-Dichlorobenzene	10000	10000	59	60	0.00016	U	0.0023	0.00016	0.074	U	1	0.074	0.12	U	1.6	0.12	-	-	-	-	0.023	U	0.32	0.023	-	-	-	-
1,2-Dichloroethane	85	98	0.1	0.5	0.00029	U	0.0011	0.00029	0.13	U	0.51	0.13	0.21	U	0.81	0.21	-	-	-	-	0.04	U	0.16	0.04	-	-	-	-
1,2-Dichloroethene, Total	NS	NS	NS	NS	0.00016	U	0.0011	0.00016	0.07	U	0.51	0.07	0.11	U	0.81	0.11	-	-	-	-	0.022	U	0.16	0.022	-	-	-	-
1,2-Dichloropropane	0.6	0.69	0.11	0.5	0.00014	U	0.0011	0.00014	0.064	U	0.51	0.064	0.1	U	0.81	0.1	-	-	-	-	0.02	U	0.16	0.02	-	-	-	-
1,3,5-Trimethylbenzene	4700	5400	93	53	0.00037	J	0.0023	0.00022	0.12	J	1	0.099	0.64	J	1.6	0.16	-	-	-	-	0.27	J	0.32	0.03	-	-	-	-
1,3-Dichlorobenzene	10000	10000	61	60	0.00017	U	0.0023	0.00017	0.076	U	1	0.076	0.12	U	1.6	0.12	-	-	-	-	0.023	U	0.32	0.023	-	-	-	-
1,3-Dichloropropene, Total	550	640	0.48	2.7	0.00018	U	0.00057	0.00018	0.081	U	0.26	0.081	0.13	U	0.4	0.13	-	-	-	-	0.025	U	0.079	0.025	-	-	-	-
1,4-Dichlorobenzene	200	230	10	7.5	0.00019	U	0.0023	0.00019	0.088	U	1	0.088	0.14	U	1.6	0.14	-	-	-	-	0.027	U	0.32	0.027	-	-	-	-
1,4-Dioxane	440	510	0.35	2.7	0.04	U	0.091	0.04	18	U	41	18	28	U	65	28	-	-	-	-	5.5	U	13	5.5	-	-	-	-
2-Butanone	10000	10000	76	400	0.0031	J	0.011	0.0025	1.1	U	5.1	1.1	1.8	U	8.1	1.8	-	-	-	-	0.35	U	1.6	0.35	-	-	-	-
2-Hexanone	2400	2700	6.4	26	0.0013	U	0.011	0.0013	0.61	U	5.1	0.61	0.95	U	8.1	0.95	-	-	-	-	0.18	U	1.6	0.18	-	-	-	-
4-Methyl-2-pentanone	10000	10000	120	780	0.0014	U	0.011	0.0014	0.66	U	5.1	0.66	1	U	8.1	1	-	-	-	-	0.2	U	1.6	0.2	-	-	-	-
Acetone	10000	10000	980	8800	0.021	J	0.028	0.011	2.5	U	5.1	2.5	3.9	U	8.1	3.9	-	-	-	-	0.76	U	1.6	0.76	-	-	-	-
Benzene	280	330	0.13	0.5	0.00019	U	0.00057	0.00019	0.085	U	0.26	0.085	2.6		0.4	0.13	-	-	-	-	0.4		0.079	0.026	-	-	-	-
Bromochloromethane	3200	3600	1.6	9	0.00023	U	0.0023	0.00023	0.1	U	1	0.1	0.16	U	1.6	0.16	-	-	-	-	0.032	U	0.32	0.032	-	-	-	-
Bromodichloromethane	60	69	2.7	8	0.00012	U	0.00057	0.00012	0.056	U	0.26	0.056	0.088	U	0.4	0.088	-	-	-	-	0.017	U	0.079	0.017	-	-	-	-
Bromoform	2000	2300	3.5	8	0.00028	U	0.0045	0.00028	0.13	U	2	0.13	0.2	U	3.2	0.2	-	-	-	-	0.039	U	0.63	0.039	-	-	-	-
Bromomethane	400	460	0.54	1	0.00066	U	0.0023	0.00066	0.3	U	1	0.3	0.47	U	1.6	0.47	-	-	-	-	0.092	U	0.32	0.092	-	-	-	-
Carbon disulfide	10000	10000	530	620	0.0052	U	0.011	0.0052	2.3	U	5.1	2.3	3.7	U	8.1	3.7	-	-	-	-	0.72	U	1.6	0.72	-	-	-	-
Carbon tetrachloride	370	430	0.26	0.5	0.00026	U	0.0011	0.00026	0.12	U	0.51	0.12	0.18	U	0.81	0.18	-	-	-	-	0.036	U	0.16	0.036	-	-	-	-
Chlorobenzene	3900	4500	6.1	10	0.00014	U	0.00057	0.00014	0.065	U	0.26	0.065	0.1	U	0.4	0.1	-	-	-	-	0.02	U	0.079	0.02	-	-	-	-
Chloroethane	10000	10000	1900	8800	0.00051	U	0.0023	0.00051	0.23	U	1	0.23	0.36	U	1.6	0.36	-	-	-	-	0.071	U	0.32	0.071	-	-	-	-
Chloroform	96	110	2	8	0.00016	U	0.0017	0.00016	0.072	U	0.77	0.072	0.11	U	1.2	0.11	-	-	-	-	0.022	U	0.24	0.022	-	-	-	-
Chloromethane	1200	1400	0.38	3	0.001	U	0.0045	0.001	0.48	U	2	0.48	0.75	U	3.2	0.75	-	-	-	-	0.15	U	0.63	0.15	-	-	-	-
cis-1,2-Dichloroethene	6400	10000	1.6	7	0.0002	U	0.0011	0.0002	0.09	U	0.51	0.09	0.14	U	0.81	0.14	-	-	-	-	0.028	U	0.16	0.028	-	-	-	-
cis-1,3-Dichloropropene	560	640	0.61	3.4	0.00018	U	0.00057	0.00018	0.081	U	0.26	0.081	0.13	U	0.4	0.13	-	-	-	-	0.025	U	0.079	0.025	-	-	-	-
Cyclohexane	10000	10000	6900	5300	0.00062	U	0.011	0.00062	0.3	J	5.1	0.28	41		8.1	0.44	-	-	-	-	12		1.6	0.086	-	-	-	-
Dibromochloromethane	1100	10000	2.5	8	0.00016	U	0.0011	0.00016	0.072	U	0.51	0.072	0.11	U	0.81	0.11	-	-	-	-	0.022	U	0.16	0.022	-	-	-	-
Dichlorodifluoromethane	8000	9100	100	100	0.001	U	0.011	0.001	0.47	U	5.1	0.47	0.74	U	8.1	0.74	-	-	-	-	0.14	U	1.6	0.14	-	-	-	-
Ethylbenzene	880	1000	46	70	0.00016	U	0.0011	0.00016	0.072	U	0.51	0.072	4.7		0.81	0.11	-	-	-	-	1.1		0.16	0.022	-	-	-	-
Isopropylbenzene	10000	10000	2500	350	0.00028	J	0.0011	0.00012	1.4		0.51	0.056	38		0.81	0.088	-	-	-	-	10							

Table 12
Summary of Soil Sampling
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:	Pennsylvania Non-Residential Direct Contact Surface Soil (0-2') MSCs Criteria	Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria	Pennsylvania Non-Residential Generic Soil to Groundwater MSCs Criteria	Pennsylvania Non-Residential 100X GW Soil to Groundwater MSCs Criteria	SB-204 (8.5-9)				SB-204 (8.5-9)				SB-205 (3.5-4)				SB-206 (2.5-3)				SB-207 (4-4.5)				SB-207 (4-4.5)			
					L2213931-05				L2213931-05 R1				L2213931-06				L2213931-07				L2213931-08				L2213931-08			
					3/16/2022				3/16/2022				3/16/2022				3/17/2022				3/17/2022				3/17/2022			
					8.5-9				8.5-9				3.5-4				2.5-3				4-4.5				4-4.5			
					SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																												
1,1,1-Trichloroethane	10000	10000	7.2	20	0.075	U	0.22	0.075	-	-	-	-	0.056	U	0.17	0.056	0.00034	U	0.001	0.00034	0.00026	U	0.00077	0.00026	0.018	U	0.053	0.018
1,1,2,2-Tetrachloroethane	38	44	0.13	0.43	0.075	U	0.22	0.075	-	-	-	-	0.055	U	0.17	0.055	0.00034	U	0.001	0.00034	0.00026	U	0.00077	0.00026	0.018	U	0.053	0.018
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	10000	10000	4400	0.31	U	1.8	0.31	-	-	-	-	0.23	U	1.3	0.23	0.0014	U	0.0082	0.0014	0.0011	U	0.0062	0.0011	0.074	U	0.42	0.074
1,1,2-Trichloroethane	16	18	0.15	0.5	0.12	U	0.45	0.12	-	-	-	-	0.089	U	0.33	0.089	0.00054	U	0.002	0.00054	0.00041	U	0.0015	0.00041	0.028	U	0.11	0.028
1,1-Dichloroethane	1400	1600	3.9	16	0.065	U	0.45	0.065	-	-	-	-	0.048	U	0.33	0.048	0.0003	U	0.002	0.0003	0.00022	U	0.0015	0.00022	0.015	U	0.11	0.015
1,1-Dichloroethene	10000	10000	0.19	0.7	0.11	U	0.45	0.11	-	-	-	-	0.079	U	0.33	0.079	0.00048	U	0.002	0.00048	0.00037	U	0.0015	0.00037	0.025	U	0.11	0.025
1,2,3-Trichlorobenzene	NS	NS	NS	NS	0.14	U	0.9	0.14	-	-	-	-	0.11	U	0.67	0.11	0.00066	U	0.0041	0.00066	0.0005	U	0.0031	0.0005	0.034	U	0.21	0.034
1,2,4-Trichlorobenzene	160	190	27	7	0.12	U	0.9	0.12	-	-	-	-	0.091	U	0.67	0.091	0.00056	U	0.0041	0.00056	0.00042	U	0.0031	0.00042	0.029	U	0.21	0.029
1,2,4-Trimethylbenzene	4700	5400	300	53	2		0.9	0.15	-	-	-	-	2.7		0.67	0.11	0.022		0.0041	0.00068	0.047		0.0031	0.00052	0.47		0.21	0.035
1,2-Dibromo-3-chloropropane	0.37	0.42	0.0092	0.02	0.45	U	1.4	0.45	-	-	-	-	0.33	U	1	0.33	0.002	U	0.0061	0.002	0.0015	U	0.0046	0.0015	0.1	U	0.32	0.1
1,2-Dibromomethane	3.7	4.2	0.0012	0.005	0.13	U	0.22	0.13	-	-	-	-	0.098	U	0.17	0.098	0.0006	U	0.001	0.0006	0.00045	U	0.00077	0.00045	0.031	U	0.053	0.031
1,2-Dichlorobenzene	10000	10000	59	60	0.065	U	0.9	0.065	-	-	-	-	0.048	U	0.67	0.048	0.00029	U	0.0041	0.00029	0.00022	U	0.0031	0.00022	0.015	U	0.21	0.015
1,2-Dichloroethane	85	98	0.1	0.5	0.12	U	0.45	0.12	-	-	-	-	0.086	U	0.33	0.086	0.00052	U	0.002	0.00052	0.0004	U	0.0015	0.0004	0.027	U	0.11	0.027
1,2-Dichloroethene, Total	NS	NS	NS	NS	0.062	U	0.45	0.062	-	-	-	-	0.046	U	0.33	0.046	0.00028	U	0.002	0.00028	0.00021	U	0.0015	0.00021	0.014	U	0.11	0.014
1,2-Dichloropropane	0.6	0.69	0.11	0.5	0.056	U	0.45	0.056	-	-	-	-	0.042	U	0.33	0.042	0.00026	U	0.002	0.00026	0.00019	U	0.0015	0.00019	0.013	U	0.11	0.013
1,3,5-Trimethylbenzene	4700	5400	93	53	1		0.9	0.087	-	-	-	-	1.2		0.67	0.064	0.017		0.0041	0.00039	0.035		0.0031	0.0003	0.45		0.21	0.02
1,3-Dichlorobenzene	10000	10000	61	60	0.067	U	0.9	0.067	-	-	-	-	0.049	U	0.67	0.049	0.0003	U	0.0041	0.0003	0.00023	U	0.0031	0.00023	0.016	U	0.21	0.016
1,3-Dichloropropene, Total	550	640	0.48	2.7	0.071	U	0.22	0.071	-	-	-	-	0.053	U	0.17	0.053	0.00032	U	0.001	0.00032	0.00024	U	0.00077	0.00024	0.017	U	0.053	0.017
1,4-Dichlorobenzene	200	230	10	7.5	0.077	U	0.9	0.077	-	-	-	-	0.057	U	0.67	0.057	0.00035	U	0.0041	0.00035	0.00026	U	0.0031	0.00026	0.018	U	0.21	0.018
1,4-Dioxane	440	510	0.35	2.7	16	U	36	16	-	-	-	-	12	U	27	12	0.072	U	0.16	0.072	0.054	U	0.12	0.054	3.7	U	8.5	3.7
2-Butanone	10000	10000	76	400	1	U	4.5	1	-	-	-	-	0.74	U	3.3	0.74	0.0045	U	0.02	0.0045	0.01	J	0.015	0.0034	0.24	U	1.1	0.24
2-Hexanone	2400	2700	6.4	26	0.53	U	4.5	0.53	-	-	-	-	0.39	U	3.3	0.39	0.0024	U	0.02	0.0024	0.0018	U	0.015	0.0018	0.12	U	1.1	0.12
4-Methyl-2-pentanone	10000	10000	120	780	0.58	U	4.5	0.58	-	-	-	-	0.43	U	3.3	0.43	0.0026	U	0.02	0.0026	0.002	U	0.015	0.002	0.14	U	1.1	0.14
Acetone	10000	10000	980	8800	2.2	U	4.5	2.2	-	-	-	-	1.6	U	3.3	1.6	0.02	U	0.051	0.02	0.069		0.039	0.015	0.51	U	1.1	0.51
Benzene	280	330	0.13	0.5	0.59		0.22	0.075	-	-	-	-	0.091	J	0.17	0.055	0.0031		0.001	0.00034	0.021		0.00077	0.00026	0.19		0.053	0.018
Bromochloromethane	3200	3600	1.6	9	0.092	U	0.9	0.092	-	-	-	-	0.068	U	0.67	0.068	0.00042	U	0.0041	0.00042	0.00032	U	0.0031	0.00032	0.022	U	0.21	0.022
Bromodichloromethane	60	69	2.7	8	0.049	U	0.22	0.049	-	-	-	-	0.036	U	0.17	0.036	0.00022	U	0.001	0.00022	0.00017	U	0.00077	0.00017	0.012	U	0.053	0.012
Bromoform	2000	2300	3.5	8	0.11	U	1.8	0.11	-	-	-	-	0.082	U	1.3	0.082	0.0005	U	0.0082	0.0005	0.00038	U	0.0062	0.00038	0.026	U	0.42	0.026
Bromomethane	400	460	0.54	1	0.26	U	0.9	0.26	-	-	-	-	0.19	U	0.67	0.19	0.0012	U	0.0041	0.0012	0.0009	U	0.0031	0.0009	0.062	U	0.21	0.062
Carbon disulfide	10000	10000	530	620	2	U	4.5	2	-	-	-	-	1.5	U	3.3	1.5	0.0093	U	0.02	0.0093	0.007	U	0.015	0.007	0.48	U	1.1	0.48
Carbon tetrachloride	370	430	0.26	0.5	0.1	U	0.45	0.1	-	-	-	-	0.077	U	0.33	0.077	0.00047	U	0.002	0.00047	0.00036	U	0.0015	0.00036	0.024	U	0.11	0.024
Chlorobenzene	3900	4500	6.1	10	0.057	U	0.22	0.057	-	-	-	-	0.042	U	0.17	0.042	0.00026	U	0.001	0.00026	0.0002	U	0.00077	0.0002	0.013	U	0.053	0.013
Chloroethane	10000	10000	1900	8800	0.2	U	0.9	0.2	-	-	-	-	0.15	U	0.67	0.15	0.00092	U	0.0041	0.00092	0.0007	U	0.0031	0.0007	0.048	U	0.21	0.048
Chloroform	96	110	2	8	0.063	U	0.68	0.063	-	-	-	-	0.047	U	0.5	0.047	0.00028	U	0.0031	0.00028	0.00022	U	0.0023	0.00022	0.015	U	0.16	0.015
Chloromethane	1200	1400	0.38	3	0.42	U	1.8	0.42	-	-	-	-	0.31	U	1.3	0.31	0.0019	U	0.0082	0.0019	0.0014	U	0.0062	0.0014	0.099	U	0.42	0.099
cis-1,2-Dichloroethene	6400	10000	1.6	7	0.079	U	0.45	0.079	-	-	-	-	0.058	U	0.33	0.058	0.00036	U	0.002	0.00036	0.00027	U	0.0015	0.00027	0.018	U	0.11	0.018
cis-1,3-Dichloropropene	560	640	0.61	3.4	0.071	U	0.22	0.071	-	-	-	-	0.053	U	0.17	0.053	0.00032	U	0.001	0.00032	0.00024	U	0.00077	0.00024	0.017	U	0.053	0.017
Cyclohexane	10000	10000	6900	5300	58		4.5	0.24	-	-	-	-	2.7	J	3.3	0.18	0.0073	J	0.02	0.0011	0.05		0.015	0.00084	1.7		1.1	0.058
Dibromochloromethane	1100	1000																										

Table 12
Summary of Soil Sampling
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:	Pennsylvania Non-Residential Direct Contact Surface Soil (0-2') MSCs Criteria	Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria	Pennsylvania Non-Residential Generic Soil to Groundwater MSCs Criteria	Pennsylvania Non-Residential 100X GW Soil to Groundwater MSCs Criteria	SB-208 (4-4.5)				SB-209 (3.5-4)				SB-210 (4-4.5)				SB-211 (3.5-4)				SB-212 (4.5-5)				SB-213 (4-4.5)				
					L2213931-09				L2213931-10				L2213931-11				L2213931-12				L2213931-13				L2213931-14				
					3/17/2022				3/17/2022				3/17/2022				3/17/2022				3/17/2022				3/17/2022				
					4-4.5				3.5-4				4-4.5				3.5-4				4.5-5				4-4.5				
					SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS BY EPA 5035																													
1,1,1-Trichloroethane	10000	10000	7.2	20	0.00022	U	0.00064	0.00022	0.00032	U	0.00096	0.00032	0.00016	U	0.00047	0.00016	0.0002	U	0.00059	0.0002	0.00024	U	0.0007	0.00024	0.096	U	0.29	0.096	
1,1,2,2-Tetrachloroethane	38	44	0.13	0.43	0.00021	U	0.00064	0.00021	0.00032	U	0.00096	0.00032	0.00015	U	0.00047	0.00015	0.0002	U	0.00059	0.0002	0.00023	U	0.0007	0.00023	0.096	U	0.29	0.096	
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	10000	10000	4400	0.00089	U	0.0052	0.00089	0.0013	U	0.0077	0.0013	0.00065	U	0.0037	0.00065	0.00082	U	0.0048	0.00082	0.00098	U	0.0056	0.00098	0.4	U	2.3	0.4	
1,1,2-Trichloroethane	16	18	0.15	0.5	0.00034	U	0.0013	0.00034	0.00051	U	0.0019	0.00051	0.00025	U	0.00093	0.00025	0.00032	U	0.0012	0.00032	0.00038	U	0.0014	0.00038	0.15	U	0.58	0.15	
1,1-Dichloroethane	1400	1600	3.9	16	0.00019	U	0.0013	0.00019	0.00028	U	0.0019	0.00028	0.00014	U	0.00093	0.00014	0.00017	U	0.0012	0.00017	0.0002	U	0.0014	0.0002	0.084	U	0.58	0.084	
1,1-Dichloroethene	10000	10000	0.19	0.7	0.00031	U	0.0013	0.00031	0.00046	U	0.0019	0.00046	0.00022	U	0.00093	0.00022	0.00028	U	0.0012	0.00028	0.00034	U	0.0014	0.00034	0.14	U	0.58	0.14	
1,2,3-Trichlorobenzene	NS	NS	NS	NS	0.00042	U	0.0026	0.00042	0.00062	U	0.0038	0.00062	0.0003	U	0.0019	0.0003	0.00038	U	0.0024	0.00038	0.00045	U	0.0028	0.00045	0.19	U	1.2	0.19	
1,2,4-Trichlorobenzene	160	190	27	7	0.00035	U	0.0026	0.00035	0.00052	U	0.0038	0.00052	0.00025	U	0.0019	0.00025	0.00032	U	0.0024	0.00032	0.00038	U	0.0028	0.00038	0.16	U	1.2	0.16	
1,2,4-Trimethylbenzene	4700	5400	300	53	0.00043	U	0.0026	0.00043	0.00022	J	0.0038	0.00064	0.00031	U	0.0019	0.00031	0.0004	U	0.0024	0.0004	0.00029	U	0.0028	0.00047	20	U	1.2	0.19	
1,2-Dibromo-3-chloropropane	0.37	0.42	0.0092	0.02	0.0013	U	0.0039	0.0013	0.0019	U	0.0058	0.0019	0.00093	U	0.0028	0.00093	0.0012	U	0.0036	0.0012	0.0014	U	0.0042	0.0014	0.58	U	1.7	0.58	
1,2-Dibromoethane	3.7	4.2	0.0012	0.005	0.00038	U	0.00064	0.00038	0.00056	U	0.00096	0.00056	0.00027	U	0.00047	0.00027	0.00035	U	0.00059	0.00035	0.00041	U	0.0007	0.00041	0.17	U	0.29	0.17	
1,2-Dichlorobenzene	10000	10000	59	60	0.00018	U	0.0026	0.00018	0.00028	U	0.0038	0.00028	0.00013	U	0.0019	0.00013	0.00017	U	0.0024	0.00017	0.0002	U	0.0028	0.0002	0.083	U	1.2	0.083	
1,2-Dichloroethane	85	98	0.1	0.5	0.00033	U	0.0013	0.00033	0.00054	J	0.0019	0.0005	0.00024	U	0.00093	0.00024	0.0003	U	0.0012	0.0003	0.00036	U	0.0014	0.00036	0.15	U	0.58	0.15	
1,2-Dichloroethene, Total	NS	NS	NS	NS	0.00018	U	0.0013	0.00018	0.00026	U	0.0019	0.00026	0.00013	U	0.00093	0.00013	0.00016	U	0.0012	0.00016	0.00019	U	0.0014	0.00019	0.079	U	0.58	0.079	
1,2-Dichloropropane	0.6	0.69	0.11	0.5	0.00016	U	0.0013	0.00016	0.00024	U	0.0019	0.00024	0.00012	U	0.00093	0.00012	0.00015	U	0.0012	0.00015	0.00018	U	0.0014	0.00018	0.072	U	0.58	0.072	
1,3,5-Trimethylbenzene	4700	5400	93	53	0.00025	U	0.0026	0.00025	0.00085	U	0.0038	0.00037	0.00018	U	0.0019	0.00018	0.00023	U	0.0024	0.00023	0.00024	J	0.0028	0.00027	8.5	U	1.2	0.11	
1,3-Dichlorobenzene	10000	10000	61	60	0.00019	U	0.0026	0.00019	0.00028	U	0.0038	0.00028	0.00014	U	0.0019	0.00014	0.00018	U	0.0024	0.00018	0.00021	U	0.0028	0.00021	0.086	U	1.2	0.086	
1,3-Dichloropropene, Total	550	640	0.48	2.7	0.0002	U	0.00064	0.0002	0.0003	U	0.00096	0.0003	0.00015	U	0.00047	0.00015	0.00019	U	0.00059	0.00019	0.00022	U	0.0007	0.00022	0.091	U	0.29	0.091	
1,4-Dichlorobenzene	200	230	10	7.5	0.00022	U	0.0026	0.00022	0.00033	U	0.0038	0.00033	0.00016	U	0.0019	0.00016	0.0002	U	0.0024	0.0002	0.00024	U	0.0028	0.00024	0.099	U	1.2	0.099	
1,4-Dioxane	440	510	0.35	2.7	0.045	U	0.1	0.045	0.068	U	0.15	0.068	0.033	U	0.075	0.033	0.042	U	0.095	0.042	0.049	U	0.11	0.049	20	U	46	20	
2-Butanone	10000	10000	76	400	0.0064	J	0.013	0.0029	0.0043	U	0.019	0.0043	0.0021	U	0.0093	0.0021	0.0044	J	0.012	0.0026	0.0035	J	0.014	0.0031	1.3	U	5.8	1.3	
2-Hexanone	2400	2700	6.4	26	0.0015	U	0.013	0.0015	0.0023	U	0.019	0.0023	0.0011	U	0.0093	0.0011	0.0014	U	0.012	0.0014	0.0017	U	0.014	0.0017	0.68	U	5.8	0.68	
4-Methyl-2-pentanone	10000	10000	120	780	0.0016	U	0.013	0.0016	0.0025	U	0.019	0.0025	0.0012	U	0.0093	0.0012	0.0015	U	0.012	0.0015	0.0018	U	0.014	0.0018	0.74	U	5.8	0.74	
Acetone	10000	10000	980	8800	0.042	U	0.032	0.013	0.019	U	0.048	0.019	0.0093	U	0.023	0.0093	0.023	J	0.03	0.012	0.02	J	0.035	0.014	2.8	U	5.8	2.8	
Benzene	280	330	0.13	0.5	0.00021	U	0.00064	0.00021	0.0014	U	0.00096	0.00032	0.00015	U	0.00047	0.00015	0.0002	U	0.00059	0.0002	0.0011	U	0.0007	0.00023	1.8	U	0.29	0.096	
Bromochloromethane	3200	3600	1.6	9	0.00026	U	0.0026	0.00026	0.0004	U	0.0038	0.0004	0.00019	U	0.0019	0.00019	0.00024	U	0.0024	0.00024	0.00029	U	0.0028	0.00029	0.12	U	1.2	0.12	
Bromodichloromethane	60	69	2.7	8	0.00014	U	0.00064	0.00014	0.00021	U	0.00096	0.00021	0.0001	U	0.00047	0.0001	0.00013	U	0.00059	0.00013	0.00015	U	0.0007	0.00015	0.063	U	0.29	0.063	
Bromoform	2000	2300	3.5	8	0.00032	U	0.0052	0.00032	0.00047	U	0.0077	0.00047	0.00023	U	0.0037	0.00023	0.00029	U	0.0048	0.00029	0.00035	U	0.0056	0.00035	0.14	U	2.3	0.14	
Bromomethane	400	460	0.54	1	0.00075	U	0.0026	0.00075	0.0011	U	0.0038	0.0011	0.00054	U	0.0019	0.00054	0.00069	U	0.0024	0.00069	0.00082	U	0.0028	0.00082	0.34	U	1.2	0.34	
Carbon disulfide	10000	10000	530	620	0.0059	U	0.013	0.0059	0.0088	U	0.019	0.0088	0.0042	U	0.0093	0.0042	0.0054	U	0.012	0.0054	0.0064	U	0.014	0.0064	2.6	U	5.8	2.6	
Carbon tetrachloride	370	430	0.26	0.5	0.0003	U	0.0013	0.0003	0.00044	U	0.0019	0.00044	0.00021	U	0.00093	0.00021	0.00027	U	0.0012	0.00027	0.00032	U	0.0014	0.00032	0.13	U	0.58	0.13	
Chlorobenzene	3900	4500	6.1	10	0.00016	U	0.00064	0.00016	0.00024	U	0.00096	0.00024	0.00012	U	0.00047	0.00012	0.00015	U	0.00059	0.00015	0.00018	U	0.0007	0.00018	0.073	U	0.29	0.073	
Chloroethane	10000	10000	1900	8800	0.00058	U	0.0026	0.00058	0.00087	U	0.0038	0.00087	0.00042	U	0.0019	0.00042	0.00054	U	0.0024	0.00054	0.00064	U	0.0028	0.00064	0.26	U	1.2	0.26	
Chloroform	96	110	2	8	0.00018	U	0.0019	0.00018	0.00027	U	0.0029	0.00027	0.00013	U	0.0014	0.00013	0.00017	U											

Table 12
Summary of Soil Sampling
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:	Pennsylvania Non-Residential Direct Contact Surface Soil (0-2') MSCs Criteria	Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria	Pennsylvania Non-Residential Generic Soil to Groundwater MSCs Criteria	Pennsylvania Non-Residential 100X GW Soil to Groundwater MSCs Criteria	SB-214 (4-4.5)				SB-215 (4.5-5)				SB-215 (4.5-5)				SB-215 (4.5-5)				SB-215 (4.5-5)			
					L2213931-15				L2213931-16				L2213931-16				L2213931-16 R1				L2213931-16 R2			
					3/17/2022				3/17/2022				3/17/2022				3/17/2022				3/17/2022			
					4-4.5				4.5-5				4.5-5				4.5-5				4.5-5			
					SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																								
1,1,1-Trichloroethane	10000	10000	7.2	20	0.00018	U	0.00053	0.00018	0.00028	U	0.00084	0.00028	0.017	U	0.05	0.017	0.00027	U	0.0008	0.00027	-	-	-	-
1,1,2,2-Tetrachloroethane	38	44	0.13	0.43	0.00018	U	0.00053	0.00018	0.00028	U	0.00084	0.00028	0.016	U	0.05	0.016	0.00027	U	0.0008	0.00027	-	-	-	-
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	10000	10000	4400	0.00073	U	0.0042	0.00073	0.0012	U	0.0067	0.0012	0.069	U	0.4	0.069	0.0011	U	0.0064	0.0011	-	-	-	-
1,1,2-Trichloroethane	16	18	0.15	0.5	0.00028	U	0.001	0.00028	0.00045	U	0.0017	0.00045	0.027	U	0.1	0.027	0.00043	U	0.0016	0.00043	-	-	-	-
1,1-Dichloroethane	1400	1600	3.9	16	0.00015	U	0.001	0.00015	0.00024	U	0.0017	0.00024	0.014	U	0.1	0.014	0.00023	U	0.0016	0.00023	-	-	-	-
1,1-Dichloroethene	10000	10000	0.19	0.7	0.00025	U	0.001	0.00025	0.0004	U	0.0017	0.0004	0.024	U	0.1	0.024	0.00038	U	0.0016	0.00038	-	-	-	-
1,2,3-Trichlorobenzene	NS	NS	NS	NS	0.00034	U	0.0021	0.00034	0.00054	U	0.0034	0.00054	0.032	U	0.2	0.032	0.00052	U	0.0032	0.00052	-	-	-	-
1,2,4-Trichlorobenzene	160	190	27	7	0.00029	U	0.0021	0.00029	0.00046	U	0.0034	0.00046	0.027	U	0.2	0.027	0.00044	U	0.0032	0.00044	-	-	-	-
1,2,4-Trimethylbenzene	4700	5400	300	53	0.00046	J	0.0021	0.00035	0.48		0.0034	0.00056	3.3		0.2	0.033	0.46		0.0032	0.00054	-	-	-	-
1,2-Dibromo-3-chloropropane	0.37	0.42	0.0092	0.02	0.001	U	0.0032	0.001	0.0017	U	0.005	0.0017	0.1	U	0.3	0.1	0.0016	U	0.0048	0.0016	-	-	-	-
1,2-Dibromoethane	3.7	4.2	0.0012	0.005	0.00031	U	0.00053	0.00031	0.00049	U	0.00084	0.00049	0.029	U	0.05	0.029	0.00047	U	0.0008	0.00047	-	-	-	-
1,2-Dichlorobenzene	10000	10000	59	60	0.00015	U	0.0021	0.00015	0.00024	U	0.0034	0.00024	0.014	U	0.2	0.014	0.00023	U	0.0032	0.00023	-	-	-	-
1,2-Dichloroethane	85	98	0.1	0.5	0.00027	U	0.001	0.00027	0.00044	J	0.0017	0.00043	0.026	U	0.1	0.026	0.00043	J	0.0016	0.00041	-	-	-	-
1,2-Dichloroethene, Total	NS	NS	NS	NS	0.00014	U	0.001	0.00014	0.00023	U	0.0017	0.00023	0.014	U	0.1	0.014	0.00022	U	0.0016	0.00022	-	-	-	-
1,2-Dichloropropane	0.6	0.69	0.11	0.5	0.00013	U	0.001	0.00013	0.00021	U	0.0017	0.00021	0.012	U	0.1	0.012	0.0002	U	0.0016	0.0002	-	-	-	-
1,3,5-Trimethylbenzene	4700	5400	93	53	0.00021	J	0.0021	0.0002	0.53	E	0.0034	0.00032	3.6		0.2	0.019	0.51	E	0.0032	0.00031	-	-	-	-
1,3-Dichlorobenzene	10000	10000	61	60	0.00016	U	0.0021	0.00016	0.00025	U	0.0034	0.00025	0.015	U	0.2	0.015	0.00024	U	0.0032	0.00024	-	-	-	-
1,3-Dichloropropene, Total	550	640	0.48	2.7	0.00017	U	0.00053	0.00017	0.00026	U	0.00084	0.00026	0.016	U	0.05	0.016	0.00025	U	0.0008	0.00025	-	-	-	-
1,4-Dichlorobenzene	200	230	10	7.5	0.00018	U	0.0021	0.00018	0.00029	U	0.0034	0.00029	0.017	U	0.2	0.017	0.00028	U	0.0032	0.00028	-	-	-	-
1,4-Dioxane	440	510	0.35	2.7	0.037	U	0.084	0.037	0.059	U	0.13	0.059	3.5	U	8	3.5	0.056	U	0.13	0.056	-	-	-	-
2-Butanone	10000	10000	76	400	0.0053	J	0.01	0.0023	0.0037	U	0.017	0.0037	0.22	U	1	0.22	0.0036	U	0.016	0.0036	-	-	-	-
2-Hexanone	2400	2700	6.4	26	0.0012	U	0.01	0.0012	0.002	U	0.017	0.002	0.12	U	1	0.12	0.0019	U	0.016	0.0019	-	-	-	-
4-Methyl-2-pentanone	10000	10000	120	780	0.0014	U	0.01	0.0014	0.0021	U	0.017	0.0021	0.13	U	1	0.13	0.002	U	0.016	0.002	-	-	-	-
Acetone	10000	10000	980	8800	0.031		0.026	0.01	0.018	J	0.042	0.017	0.48	U	1	0.48	0.02	J	0.04	0.016	-	-	-	-
Benzene	280	330	0.13	0.5	0.0003	J	0.00053	0.00018	0.015		0.00084	0.00028	0.12		0.05	0.016	0.014		0.0008	0.00027	-	-	-	-
Bromochloromethane	3200	3600	1.6	9	0.00022	U	0.0021	0.00022	0.00034	U	0.0034	0.00034	0.02	U	0.2	0.02	0.00033	U	0.0032	0.00033	-	-	-	-
Bromodichloromethane	60	69	2.7	8	0.00012	U	0.00053	0.00012	0.00018	U	0.00084	0.00018	0.011	U	0.05	0.011	0.00018	U	0.0008	0.00018	-	-	-	-
Bromoform	2000	2300	3.5	8	0.00026	U	0.0042	0.00026	0.00041	U	0.0067	0.00041	0.024	U	0.4	0.024	0.0004	U	0.0064	0.0004	-	-	-	-
Bromomethane	400	460	0.54	1	0.00061	U	0.0021	0.00061	0.00098	U	0.0034	0.00098	0.058	U	0.2	0.058	0.00093	U	0.0032	0.00093	-	-	-	-
Carbon disulfide	10000	10000	530	620	0.0048	U	0.01	0.0048	0.0076	U	0.017	0.0076	0.45	U	1	0.45	0.01	J	0.016	0.0073	-	-	-	-
Carbon tetrachloride	370	430	0.26	0.5	0.00024	U	0.001	0.00024	0.00039	U	0.0017	0.00039	0.023	U	0.1	0.023	0.00037	U	0.0016	0.00037	-	-	-	-
Chlorobenzene	3900	4500	6.1	10	0.00013	U	0.00053	0.00013	0.00021	U	0.00084	0.00021	0.013	U	0.05	0.013	0.0002	U	0.0008	0.0002	-	-	-	-
Chloroethane	10000	10000	1900	8800	0.00048	U	0.0021	0.00048	0.00076	U	0.0034	0.00076	0.045	U	0.2	0.045	0.00073	U	0.0032	0.00073	-	-	-	-
Chloroform	96	110	2	8	0.00015	U	0.0016	0.00015	0.00024	U	0.0025	0.00024	0.014	U	0.15	0.014	0.00022	U	0.0024	0.00022	-	-	-	-
Chloromethane	1200	1400	0.38	3	0.00098	U	0.0042	0.00098	0.0016	U	0.0067	0.0016	0.093	U	0.4	0.093	0.0015	U	0.0064	0.0015	-	-	-	-
cis-1,2-Dichloroethene	6400	10000	1.6	7	0.00018	U	0.001	0.00018	0.00029	U	0.0017	0.00029	0.017	U	0.1	0.017	0.00028	U	0.0016	0.00028	-	-	-	-
cis-1,3-Dichloropropene	560	640	0.61	3.4	0.00017	U	0.00053	0.00017	0.00026	U	0.00084	0.00026	0.016	U	0.05	0.016	0.00025	U	0.0008	0.00025	-	-	-	-
Cyclohexane	10000	10000	6900	5300	0.00092	J	0.01	0.00057	0.047		0.017	0.00091	0.48	J	1	0.054	0.052		0.016	0.00088	-	-	-	-
Dibromochloromethane	1100	10000	2.5	8	0.00015	U	0.001	0.00015	0.00024	U	0.0017	0.00024	0.014	U	0.1	0.014	0.00022	U	0.0016	0.00022	-	-	-	-
Dichlorodifluoromethane	8000	9100	100	100	0.00097	U	0.01	0.00097	0.0015	U	0.017	0.0015	0.091	U	1	0.091	0.0015	U	0.016	0.0015	-	-	-	-
Ethylbenzene	880	1000	46	70	0.00015	U	0.001	0.00015	0.039		0.0017	0.00024	0.31		0.1	0.014	0.038		0.0016	0.00023	-	-	-	-
Isopropylbenzene	10000	10000	2500	350	0.00012	U	0.001	0.00012	0.02		0.0017	0.00018	0.14		0.1	0.011	0.024		0.0016	0.00018	-	-	-	-
Methyl Acetate	10000	10000	1800	9700	0.001	U	0.0042	0.001	0.0016	U	0.0067	0.0016	0.32	J	0.4	0.095	0.0015	U	0.0064	0.0015	-	-	-	-
Methyl cyclohexane	NS	NS	NS	NS	0.00093	J	0.0042	0.00064	0.034		0.0067	0.001	0.85		0.4	0.06	0.042		0.0064	0.00097	-	-	-	-</

Table 12
Summary of Soil Sampling
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:	Pennsylvania Non-Residential Direct Contact Surface Soil (0-2') MSCs Criteria	Pennsylvania Non-Residential Direct Contact Subsurface Soil (2-15') MSCs Criteria	Pennsylvania Non-Residential Generic Soil to Groundwater MSCs Criteria	Pennsylvania Non-Residential 100X GW Soil to Groundwater MSCs Criteria	DUP-1 (SB-215)				DUP-1 (SB-215)				SB-216 (3.5-4)				SB-216 (3.5-4)				SB-217 (8.5-9)			
					L2213931-19				L2213931-19				L2213931-17				L2213931-17				L2213931-18			
					3/17/2022				3/17/2022				3/17/2022				3/17/2022				3/17/2022			
													3.5-4				3.5-4				8.5-9			
					SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																								
1,1,1-Trichloroethane	10000	10000	7.2	20	0.00024	U	0.00072	0.00024	0.015	U	0.045	0.015	0.00023	U	0.0007	0.00023	0.016	U	0.048	0.016	0.067	U	0.2	0.067
1,1,2,2-Tetrachloroethane	38	44	0.13	0.43	0.00024	U	0.00072	0.00024	0.015	U	0.045	0.015	0.00023	U	0.0007	0.00023	0.016	U	0.048	0.016	0.066	U	0.2	0.066
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	10000	10000	4400	0.001	U	0.0058	0.001	0.062	U	0.36	0.062	0.00097	U	0.0056	0.00097	0.067	U	0.39	0.067	0.28	U	1.6	0.28
1,1,2-Trichloroethane	16	18	0.15	0.5	0.00039	U	0.0014	0.00039	0.024	U	0.089	0.024	0.00037	U	0.0014	0.00037	0.026	U	0.096	0.026	0.11	U	0.4	0.11
1,1-Dichloroethane	1400	1600	3.9	16	0.00021	U	0.0014	0.00021	0.013	U	0.089	0.013	0.0002	U	0.0014	0.0002	0.014	U	0.096	0.014	0.058	U	0.4	0.058
1,1-Dichloroethene	10000	10000	0.19	0.7	0.00034	U	0.0014	0.00034	0.021	U	0.089	0.021	0.00033	U	0.0014	0.00033	0.023	U	0.096	0.023	0.095	U	0.4	0.095
1,2,3-Trichlorobenzene	NS	NS	NS	NS	0.00047	U	0.0029	0.00047	0.029	U	0.18	0.029	0.00045	U	0.0028	0.00045	0.031	U	0.19	0.031	0.13	U	0.8	0.13
1,2,4-Trichlorobenzene	160	190	27	7	0.00039	U	0.0029	0.00039	0.024	U	0.18	0.024	0.00038	U	0.0028	0.00038	0.026	U	0.19	0.026	0.11	U	0.8	0.11
1,2,4-Trimethylbenzene	4700	5400	300	53	0.2		0.0029	0.00048	0.92		0.18	0.03	0.2		0.0028	0.00047	1.8		0.19	0.032	3.6		0.8	0.13
1,2-Dibromo-3-chloropropane	0.37	0.42	0.0092	0.02	0.0014	U	0.0043	0.0014	0.089	U	0.27	0.089	0.0014	U	0.0042	0.0014	0.096	U	0.29	0.096	0.4	U	1.2	0.4
1,2-Dibromoethane	3.7	4.2	0.0012	0.005	0.00042	U	0.00072	0.00042	0.026	U	0.045	0.026	0.00041	U	0.0007	0.00041	0.028	U	0.048	0.028	0.12	U	0.2	0.12
1,2-Dichlorobenzene	10000	10000	59	60	0.00021	U	0.0029	0.00021	0.013	U	0.18	0.013	0.0002	U	0.0028	0.0002	0.014	U	0.19	0.014	0.058	U	0.8	0.058
1,2-Dichloroethane	85	98	0.1	0.5	0.00037	U	0.0014	0.00037	0.023	U	0.089	0.023	0.00036	U	0.0014	0.00036	0.057	J	0.096	0.025	0.1	U	0.4	0.1
1,2-Dichloroethene, Total	NS	NS	NS	NS	0.0002	U	0.0014	0.0002	0.012	U	0.089	0.012	0.00019	U	0.0014	0.00019	0.013	U	0.096	0.013	0.055	U	0.4	0.055
1,2-Dichloropropane	0.6	0.69	0.11	0.5	0.00018	U	0.0014	0.00018	0.011	U	0.089	0.011	0.00017	U	0.0014	0.00017	0.012	U	0.096	0.012	0.05	U	0.4	0.05
1,3,5-Trimethylbenzene	4700	5400	93	53	0.19		0.0029	0.00028	0.71		0.18	0.017	0.43	E	0.0028	0.00027	3.6		0.19	0.019	1		0.8	0.077
1,3-Dichlorobenzene	10000	10000	61	60	0.00021	U	0.0029	0.00021	0.013	U	0.18	0.013	0.00021	U	0.0028	0.00021	0.014	U	0.19	0.014	0.059	U	0.8	0.059
1,3-Dichloropropene, Total	550	640	0.48	2.7	0.00023	U	0.00072	0.00023	0.014	U	0.045	0.014	0.00022	U	0.0007	0.00022	0.015	U	0.048	0.015	0.063	U	0.2	0.063
1,4-Dichlorobenzene	200	230	10	7.5	0.00025	U	0.0029	0.00025	0.015	U	0.18	0.015	0.00024	U	0.0028	0.00024	0.016	U	0.19	0.016	0.068	U	0.8	0.068
1,4-Dioxane	440	510	0.35	2.7	0.051	U	0.12	0.051	3.1	U	7.2	3.1	0.049	U	0.11	0.049	3.4	U	7.7	3.4	14	U	32	14
2-Butanone	10000	10000	76	400	0.0066	J	0.014	0.0032	0.2	U	0.89	0.2	0.0031	U	0.014	0.0031	0.21	U	0.96	0.21	0.89	U	4	0.89
2-Hexanone	2400	2700	6.4	26	0.0017	U	0.014	0.0017	0.1	U	0.89	0.1	0.0016	U	0.014	0.0016	0.11	U	0.96	0.11	0.47	U	4	0.47
4-Methyl-2-pentanone	10000	10000	120	780	0.0018	U	0.014	0.0018	0.11	U	0.89	0.11	0.0018	U	0.014	0.0018	0.12	U	0.96	0.12	0.51	U	4	0.51
Acetone	10000	10000	980	8800	0.06		0.036	0.014	0.43	U	0.89	0.43	0.014	U	0.035	0.014	0.46	U	0.96	0.46	1.9	U	4	1.9
Benzene	280	330	0.13	0.5	0.019		0.00072	0.00024	0.21		0.045	0.015	0.0054		0.0007	0.00023	0.27		0.048	0.016	1		0.2	0.066
Bromochloromethane	3200	3600	1.6	9	0.0003	U	0.0029	0.0003	0.018	U	0.18	0.018	0.00029	U	0.0028	0.00029	0.02	U	0.19	0.02	0.082	U	0.8	0.082
Bromodichloromethane	60	69	2.7	8	0.00016	U	0.00072	0.00016	0.0097	U	0.045	0.0097	0.00015	U	0.0007	0.00015	0.01	U	0.048	0.01	0.044	U	0.2	0.044
Bromoform	2000	2300	3.5	8	0.00036	U	0.0058	0.00036	0.022	U	0.36	0.022	0.00034	U	0.0056	0.00034	0.024	U	0.39	0.024	0.098	U	1.6	0.098
Bromomethane	400	460	0.54	1	0.00084	U	0.0029	0.00084	0.052	U	0.18	0.052	0.00081	U	0.0028	0.00081	0.056	U	0.19	0.056	0.23	U	0.8	0.23
Carbon disulfide	10000	10000	530	620	0.0066	U	0.014	0.0066	0.41	U	0.89	0.41	0.0064	U	0.014	0.0064	0.44	U	0.96	0.44	1.8	U	4	1.8
Carbon tetrachloride	370	430	0.26	0.5	0.00033	U	0.0014	0.00033	0.02	U	0.089	0.02	0.00032	U	0.0014	0.00032	0.022	U	0.096	0.022	0.092	U	0.4	0.092
Chlorobenzene	3900	4500	6.1	10	0.00018	U	0.00072	0.00018	0.011	U	0.045	0.011	0.00018	U	0.0007	0.00018	0.012	U	0.048	0.012	0.051	U	0.2	0.051
Chloroethane	10000	10000	1900	8800	0.00066	U	0.0029	0.00066	0.04	U	0.18	0.04	0.00063	U	0.0028	0.00063	0.044	U	0.19	0.044	0.18	U	0.8	0.18
Chloroform	96	110	2	8	0.0002	U	0.0022	0.0002	0.012	U	0.13	0.012	0.0002	U	0.0021	0.0002	0.014	U	0.14	0.014	0.056	U	0.6	0.056
Chloromethane	1200	1400	0.38	3	0.0014	U	0.0058	0.0014	0.083	U	0.36	0.083	0.0013	U	0.0056	0.0013	0.09	U	0.39	0.09	0.37	U	1.6	0.37
cis-1,2-Dichloroethene	6400	10000	1.6	7	0.00025	U	0.0014	0.00025	0.016	U	0.089	0.016	0.00024	U	0.0014	0.00024	0.017	U	0.096	0.017	0.07	U	0.4	0.07
cis-1,3-Dichloropropene	560	640	0.61	3.4	0.00023	U	0.00072	0.00023	0.014	U	0.045	0.014	0.00022	U	0.0007	0.00022	0.015	U	0.048	0.015	0.063	U	0.2	0.063
Cyclohexane	10000	10000	6900	5300	0.046		0.014	0.00079	0.17	J	0.89	0.049	0.077		0.014	0.00076	0.56	J	0.96	0.052	33		4	0.22
Dibromochloromethane	1100	10000	2.5	8	0.0002	U	0.0014	0.0002	0.012	U	0.089	0.012	0.0002	U	0.0014	0.0002	0.014	U	0.096	0.014	0.056	U	0.4	0.056
Dichlorodifluoromethane	8000	9100	100	100	0.0013	U	0.014	0.0013	0.082	U	0.89	0.082	0.0013	U	0.014	0.0013	0.088	U	0.96	0.088	0.37	U	4	0.37
Ethylbenzene	880	1000	46	70	0.027		0.0014	0.0002	0.17		0.089	0.013	0.0058		0.0014	0.0002	0.21		0.096	0.014	0.6		0.4	0.056
Isopropylbenzene	10000	10000	2500	350	0.011		0.0014	0.00016	0.04	J	0.089	0.0097	0.0044		0.0014	0.00015	0.05	J	0.096	0.01	14		0.4	0.044
Methyl Acetate	10000	10000	1800	9700	0.0014	U	0.0058	0.0014																

Table 13
Summary of Soil Sampling Results Relative to Vapor Intrusion Screening Criteria
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:		MW-8 (5.5-6)				SB-201 (8.5-9)				SB-202 (8.5-9)				SB-202 (8.5-9)				SB-203 (8.5-9)				SB-203 (8.5-9)			
LAB ID:	Pennsylvania Nonresidential Soil Statewide Health Standard Vapor Intrusion Screening Values Criteria	L2213931-01				L2213931-02				L2213931-03				L2213931-03 R1				L2213931-04				L2213931-04 R1			
COLLECTION DATE:		3/16/2022				3/16/2022				3/16/2022				3/16/2022				3/16/2022				3/16/2022			
SAMPLE DEPTH (feet):		5.5-6				8.5-9				8.5-9				8.5-9				8.5-9				8.5-9			
SAMPLE MATRIX:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																									
1,1,1-Trichloroethane	7.4	0.00057	U	0.00057	0.00019	0.26	U	0.26	0.086	0.4	U	0.4	0.13	-	-	-	-	0.079	U	0.079	0.026	-	-	-	-
1,1,2,2-Tetrachloroethane	0.13	0.00057	U	0.00057	0.00019	0.26	U	0.26	0.085	0.4	U	0.4	0.13	-	-	-	-	0.079	U	0.079	0.026	-	-	-	-
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	0.0045	U	0.0045	0.00079	2	U	2	0.36	3.2	U	3.2	0.56	-	-	-	-	0.63	U	0.63	0.11	-	-	-	-
1,1,2-Trichloroethane	0.15	0.0011	U	0.0011	0.0003	0.51	U	0.51	0.14	0.81	U	0.81	0.22	-	-	-	-	0.16	U	0.16	0.042	-	-	-	-
1,1-Dichloroethane	3.9	0.0011	U	0.0011	0.00016	0.51	U	0.51	0.074	0.81	U	0.81	0.12	-	-	-	-	0.16	U	0.16	0.023	-	-	-	-
1,1-Dichloroethene	0.19	0.0011	U	0.0011	0.00027	0.51	U	0.51	0.12	0.81	U	0.81	0.19	-	-	-	-	0.16	U	0.16	0.038	-	-	-	-
1,2,3-Trichlorobenzene	NS	0.0023	U	0.0023	0.00037	1	U	1	0.16	1.6	U	1.6	0.26	-	-	-	-	0.32	U	0.32	0.051	-	-	-	-
1,2,4-Trichlorobenzene	27	0.0023	U	0.0023	0.00031	1	U	1	0.14	1.6	U	1.6	0.22	-	-	-	-	0.32	U	0.32	0.043	-	-	-	-
1,2,4-Trimethylbenzene	300	0.0011	J	0.0023	0.00038	0.27	J	1	0.17	1.9		1.6	0.27	-	-	-	-	0.92		0.32	0.053	-	-	-	-
1,2-Dibromo-3-chloropropane	0.0092	0.0034	U	0.0034	0.0011	1.5	U	1.5	0.51	2.4	U	2.4	0.81	-	-	-	-	0.47	U	0.47	0.16	-	-	-	-
1,2-Dibromoethane	0.0013	0.00057	U	0.00057	0.00033	0.26	U	0.26	0.15	0.4	U	0.4	0.24	-	-	-	-	0.079	U	0.079	0.046	-	-	-	-
1,2-Dichlorobenzene	59	0.0023	U	0.0023	0.00016	1	U	1	0.074	1.6	U	1.6	0.12	-	-	-	-	0.32	U	0.32	0.023	-	-	-	-
1,2-Dichloroethane	0.1	0.0011	U	0.0011	0.00029	0.51	U	0.51	0.13	0.81	U	0.81	0.21	-	-	-	-	0.16	U	0.16	0.04	-	-	-	-
1,2-Dichloroethene, Total	NS	0.0011	U	0.0011	0.00016	0.51	U	0.51	0.07	0.81	U	0.81	0.11	-	-	-	-	0.16	U	0.16	0.022	-	-	-	-
1,2-Dichloropropane	0.11	0.0011	U	0.0011	0.00014	0.51	U	0.51	0.064	0.81	U	0.81	0.1	-	-	-	-	0.16	U	0.16	0.02	-	-	-	-
1,3,5-Trimethylbenzene	93	0.00037	J	0.0023	0.00022	0.12	J	1	0.099	0.64	J	1.6	0.16	-	-	-	-	0.27	J	0.32	0.03	-	-	-	-
1,3-Dichlorobenzene	NS	0.0023	U	0.0023	0.00017	1	U	1	0.076	1.6	U	1.6	0.12	-	-	-	-	0.32	U	0.32	0.023	-	-	-	-
1,3-Dichloropropene, Total	0.48	0.00057	U	0.00057	0.00018	0.26	U	0.26	0.081	0.4	U	0.4	0.13	-	-	-	-	0.079	U	0.079	0.025	-	-	-	-
1,4-Dichlorobenzene	10	0.0023	U	0.0023	0.00019	1	U	1	0.088	1.6	U	1.6	0.14	-	-	-	-	0.32	U	0.32	0.027	-	-	-	-
1,4-Dioxane	9	0.091	U	0.091	0.04	41	U	41	18	65	U	65	28	-	-	-	-	13	U	13	5.5	-	-	-	-
2-Butanone	1100	0.0031	J	0.011	0.0025	5.1	U	5.1	1.1	8.1	U	8.1	1.8	-	-	-	-	1.6	U	1.6	0.35	-	-	-	-
2-Hexanone	6.4	0.011	U	0.011	0.0013	5.1	U	5.1	0.61	8.1	U	8.1	0.95	-	-	-	-	1.6	U	1.6	0.18	-	-	-	-
4-Methyl-2-pentanone	210	0.011	U	0.011	0.0014	5.1	U	5.1	0.66	8.1	U	8.1	1	-	-	-	-	1.6	U	1.6	0.2	-	-	-	-
Acetone	4700	0.021	J	0.028	0.011	5.1	U	5.1	2.5	8.1	U	8.1	3.9	-	-	-	-	1.6	U	1.6	0.76	-	-	-	-
Benzene	0.13	0.00057	U	0.00057	0.00019	0.26	U	0.26	0.085	2.6		0.4	0.13	-	-	-	-	0.4		0.079	0.026	-	-	-	-
Bromochloromethane	1.6	0.0023	U	0.0023	0.00023	1	U	1	0.1	1.6	U	1.6	0.16	-	-	-	-	0.32	U	0.32	0.032	-	-	-	-
Bromodichloromethane	2.7	0.00057	U	0.00057	0.00012	0.26	U	0.26	0.056	0.4	U	0.4	0.088	-	-	-	-	0.079	U	0.079	0.017	-	-	-	-
Bromoform	3.5	0.0045	U	0.0045	0.00028	2	U	2	0.13	3.2	U	3.2	0.2	-	-	-	-	0.63	U	0.63	0.039	-	-	-	-
Bromomethane	0.54	0.0023	U	0.0023	0.00066	1	U	1	0.3	1.6	U	1.6	0.47	-	-	-	-	0.32	U	0.32	0.092	-	-	-	-
Carbon disulfide	530	0.011	U	0.011	0.0052	5.1	U	5.1	2.3	8.1	U	8.1	3.7	-	-	-	-	1.6	U	1.6	0.72	-	-	-	-
Carbon tetrachloride	0.26	0.0011	U	0.0011	0.00026	0.51	U	0.51	0.12	0.81	U	0.81	0.18	-	-	-	-	0.16	U	0.16	0.036	-	-	-	-
Chlorobenzene	6.1	0.00057	U	0.00057	0.00014	0.26	U	0.26	0.065	0.4	U	0.4	0.1	-	-	-	-	0.079	U	0.079	0.02	-	-	-	-
Chloroethane	1900	0.0023	U	0.0023	0.00051	1	U	1	0.23	1.6	U	1.6	0.36	-	-	-	-	0.32	U	0.32	0.071	-	-	-	-
Chloroform	2	0.0017	U	0.0017	0.00016	0.77	U	0.77	0.072	1.2	U	1.2	0.11	-	-	-	-	0.24	U	0.24	0.022	-	-	-	-
Chloromethane	0.38	0.0045	U	0.0045	0.001	2	U	2	0.48	3.2	U	3.2	0.75	-	-	-	-	0.63	U	0.63	0.15	-	-	-	-
cis-1,2-Dichloroethene	NS	0.0011	U	0.0011	0.0002	0.51	U	0.51	0.09	0.81	U	0.81	0.14	-	-	-	-	0.16	U	0.16	0.028	-	-	-	-
cis-1,3-Dichloropropene	NS	0.00057	U	0.00057	0.00018	0.26	U	0.26	0.081	0.4	U	0.4	0.13	-	-	-	-	0.079	U	0.079	0.025	-	-	-	-
Cyclohexane	6900	0.011	U	0.011	0.00062	0.3	J	5.1	0.28	41		8.1	0.44	-	-	-	-	12		1.6	0.086	-	-	-	-
Dibromochloromethane	2.5	0.0011	U	0.0011	0.00016	0.51	U	0.51	0.072	0.81	U	0.81	0.11	-	-	-	-	0.16	U	0.16	0.022	-	-	-	-
Dichlorodifluoromethane	100	0.011	U	0.011	0.001	5.1	U	5.1	0.47	8.1	U	8.1	0.74	-	-	-	-	1.6	U	1.6	0.14	-	-	-	-
Ethylbenzene	46	0.0011	U	0.0011	0.00016	0.51	U	0.51	0.072	4.7		0.81	0.11	-	-	-	-	1.1		0.16	0.022	-	-	-	-
Isopropylbenzene	2500	0.00028	J	0.0011	0.00012	1.4		0.51	0.056	38		0.81	0.088	-	-	-	-	10		0.16	0.017	-	-	-	-
Methyl Acetate	NS	0.0045	U	0.0045	0.0011	1.8	J	2	0.49	3.2	U	3.2	0.77	-	-	-	-	0.25	J	0.63	0.15	-	-	-	-
Methyl cyclohexane	NS	0.0009	J	0.0045	0.00068	4.1		2	0.31	410		32	4.9	260	E	3.2	0.49	64		6.3	0.95	53	E	0.63	0.095
Methyl tert butyl ether	1.4	0.0023	U	0.0023	0.00023	1	U	1	0.1	1.6	U	1.6	0.16	-	-	-	-	0.32	U	0.32	0.032	-	-	-	-
Methylene chloride	1.5	0.0057	U	0.0057	0.0026	2.6	U	2.6	1.2	4	U	4	1.8	-	-	-	-	0.79	U	0.79	0.36	-	-	-	-
Naphthalene	25	0.0018	J	0.0045	0.00074	0.41	J	2	0.33	1.8	J	3.2	0.52	-	-	-	-	1.4		0.63	0.1	-	-	-	-
o-Xylene	NS	0.0011	U	0.0011	0.00033	0.51	U	0.51	0.15	1.1		0.81	0.24	-	-	-	-	0.39		0.16	0.046	-	-	-	-
p/m-Xylene	NS	0.0023	U	0.																					

Table 13
Summary of Soil Sampling Results Relative to Vapor Intrusion Screening Criteria
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:	Pennsylvania Nonresidential Soil Statewide Health Standard Vapor Intrusion Screening Values Criteria	SB-204 (8.5-9)				SB-204 (8.5-9)				SB-205 (3.5-4)				SB-206 (2.5-3)				SB-207 (4-4.5)				SB-207 (4-4.5)			
LAB ID:		L2213931-05				L2213931-05 R1				L2213931-06				L2213931-07				L2213931-08				L2213931-08			
COLLECTION DATE:		3/16/2022				3/16/2022				3/16/2022				3/17/2022				3/17/2022				3/17/2022			
SAMPLE DEPTH (feet):		8.5-9				8.5-9				3.5-4				2.5-3				4-4.5				4-4.5			
SAMPLE MATRIX:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																									
EPA 5035 HIGH																									
1,1,1-Trichloroethane	7.4	0.22	U	0.22	0.075	-	-	-	-	0.17	U	0.17	0.056	0.001	U	0.001	0.00034	0.00077	U	0.00077	0.00026	0.053	U	0.053	0.018
1,1,2,2-Tetrachloroethane	0.13	0.22	U	0.22	0.075	-	-	-	-	0.17	U	0.17	0.055	0.001	U	0.001	0.00034	0.00077	U	0.00077	0.00026	0.053	U	0.053	0.018
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	1.8	U	1.8	0.31	-	-	-	-	1.3	U	1.3	0.23	0.0082	U	0.0082	0.0014	0.0062	U	0.0062	0.0011	0.42	U	0.42	0.074
1,1,2-Trichloroethane	0.15	0.45	U	0.45	0.12	-	-	-	-	0.33	U	0.33	0.089	0.002	U	0.002	0.00054	0.0015	U	0.0015	0.00041	0.11	U	0.11	0.028
1,1-Dichloroethane	3.9	0.45	U	0.45	0.065	-	-	-	-	0.33	U	0.33	0.048	0.002	U	0.002	0.0003	0.0015	U	0.0015	0.00022	0.11	U	0.11	0.015
1,1-Dichloroethene	0.19	0.45	U	0.45	0.11	-	-	-	-	0.33	U	0.33	0.079	0.002	U	0.002	0.00048	0.0015	U	0.0015	0.00037	0.11	U	0.11	0.025
1,2,3-Trichlorobenzene	NS	0.9	U	0.9	0.14	-	-	-	-	0.67	U	0.67	0.11	0.0041	U	0.0041	0.00066	0.0031	U	0.0031	0.0005	0.21	U	0.21	0.034
1,2,4-Trichlorobenzene	27	0.9	U	0.9	0.12	-	-	-	-	0.67	U	0.67	0.091	0.0041	U	0.0041	0.00056	0.0031	U	0.0031	0.00042	0.21	U	0.21	0.029
1,2,4-Trimethylbenzene	300	2		0.9	0.15	-	-	-	-	2.7		0.67	0.11	0.022		0.0041	0.00068	0.047		0.0031	0.00052	0.47		0.21	0.035
1,2-Dibromo-3-chloropropane	0.0092	1.4	U	1.4	0.45	-	-	-	-	1	U	1	0.33	0.0061	U	0.0061	0.002	0.0046	U	0.0046	0.0015	0.32	U	0.32	0.1
1,2-Dibromoethane	0.0013	0.22	U	0.22	0.13	-	-	-	-	0.17	U	0.17	0.098	0.001	U	0.001	0.0006	0.00077	U	0.00077	0.00045	0.053	U	0.053	0.031
1,2-Dichlorobenzene	59	0.9	U	0.9	0.065	-	-	-	-	0.67	U	0.67	0.048	0.0041	U	0.0041	0.00029	0.0031	U	0.0031	0.00022	0.21	U	0.21	0.015
1,2-Dichloroethane	0.1	0.45	U	0.45	0.12	-	-	-	-	0.33	U	0.33	0.086	0.002	U	0.002	0.00052	0.0015	U	0.0015	0.0004	0.11	U	0.11	0.027
1,2-Dichloroethene, Total	NS	0.45	U	0.45	0.062	-	-	-	-	0.33	U	0.33	0.046	0.002	U	0.002	0.00028	0.0015	U	0.0015	0.00021	0.11	U	0.11	0.014
1,2-Dichloropropane	0.11	0.45	U	0.45	0.056	-	-	-	-	0.33	U	0.33	0.036	0.002	U	0.002	0.00026	0.0015	U	0.0015	0.00019	0.11	U	0.11	0.013
1,3,5-Trimethylbenzene	93	1		0.9	0.087	-	-	-	-	1.2		0.67	0.064	0.017		0.0041	0.00039	0.035		0.0031	0.0003	0.45		0.21	0.02
1,3-Dichlorobenzene	NS	0.9	U	0.9	0.067	-	-	-	-	0.67	U	0.67	0.049	0.0041	U	0.0041	0.0003	0.0031	U	0.0031	0.00023	0.21	U	0.21	0.016
1,3-Dichloropropene, Total	0.48	0.22	U	0.22	0.071	-	-	-	-	0.17	U	0.17	0.053	0.001	U	0.001	0.00032	0.00077	U	0.00077	0.00024	0.053	U	0.053	0.017
1,4-Dichlorobenzene	10	0.9	U	0.9	0.077	-	-	-	-	0.67	U	0.67	0.057	0.0041	U	0.0041	0.00035	0.0031	U	0.0031	0.00026	0.21	U	0.21	0.018
1,4-Dioxane	9	36	U	36	16	-	-	-	-	27	U	27	12	0.16	U	0.16	0.072	0.12	U	0.12	0.054	8.5	U	8.5	3.7
2-Butanone	1100	4.5	U	4.5	1	-	-	-	-	3.3	U	3.3	0.74	0.02	U	0.02	0.0045	0.01	J	0.015	0.0034	1.1	U	1.1	0.24
2-Hexanone	6.4	4.5	U	4.5	0.53	-	-	-	-	3.3	U	3.3	0.39	0.02	U	0.02	0.0024	0.015	U	0.015	0.0018	1.1	U	1.1	0.12
4-Methyl-2-pentanone	210	4.5	U	4.5	0.58	-	-	-	-	3.3	U	3.3	0.43	0.02	U	0.02	0.0026	0.015	U	0.015	0.002	1.1	U	1.1	0.14
Acetone	4700	4.5	U	4.5	2.2	-	-	-	-	3.3	U	3.3	1.6	0.051	U	0.051	0.02	0.069		0.039	0.015	1.1	U	1.1	0.51
Benzene	0.13	0.59		0.22	0.075	-	-	-	-	0.091	J	0.17	0.055	0.0031		0.001	0.00034	0.021		0.00077	0.00026	0.19		0.053	0.018
Bromochloromethane	1.6	0.9	U	0.9	0.092	-	-	-	-	0.67	U	0.67	0.068	0.0041	U	0.0041	0.00042	0.0031	U	0.0031	0.00032	0.21	U	0.21	0.022
Bromodichloromethane	2.7	0.22	U	0.22	0.049	-	-	-	-	0.17	U	0.17	0.036	0.001	U	0.001	0.00022	0.00077	U	0.00077	0.00017	0.053	U	0.053	0.012
Bromoform	3.5	1.8	U	1.8	0.11	-	-	-	-	1.3	U	1.3	0.082	0.0082	U	0.0082	0.0005	0.0062	U	0.0062	0.00038	0.42	U	0.42	0.026
Bromomethane	0.54	0.9	U	0.9	0.26	-	-	-	-	0.67	U	0.67	0.19	0.0041	U	0.0041	0.0012	0.0031	U	0.0031	0.0009	0.21	U	0.21	0.062
Carbon disulfide	530	4.5	U	4.5	2	-	-	-	-	3.3	U	3.3	1.5	0.02	U	0.02	0.0093	0.015	U	0.015	0.007	1.1	U	1.1	0.48
Carbon tetrachloride	0.26	0.45	U	0.45	0.1	-	-	-	-	0.33	U	0.33	0.077	0.002	U	0.002	0.00047	0.0015	U	0.0015	0.00036	0.11	U	0.11	0.024
Chlorobenzene	6.1	0.22	U	0.22	0.057	-	-	-	-	0.17	U	0.17	0.042	0.001	U	0.001	0.00026	0.00077	U	0.00077	0.0002	0.053	U	0.053	0.013
Chloroethane	1900	0.9	U	0.9	0.2	-	-	-	-	0.67	U	0.67	0.15	0.0041	U	0.0041	0.00092	0.0031	U	0.0031	0.0007	0.21	U	0.21	0.048
Chloroform	2	0.68	U	0.68	0.063	-	-	-	-	0.5	U	0.5	0.047	0.0031	U	0.0031	0.00028	0.0023	U	0.0023	0.00022	0.16	U	0.16	0.015
Chloromethane	0.38	1.8	U	1.8	0.42	-	-	-	-	1.3	U	1.3	0.31	0.0082	U	0.0082	0.0019	0.0062	U	0.0062	0.0014	0.42	U	0.42	0.099
cis-1,2-Dichloroethene	NS	0.45	U	0.45	0.079	-	-	-	-	0.33	U	0.33	0.058	0.002	U	0.002	0.00036	0.0015	U	0.0015	0.00027	0.11	U	0.11	0.018
cis-1,3-Dichloropropene	NS	0.22	U	0.22	0.071	-	-	-	-	0.17	U	0.17	0.053	0.001	U	0.001	0.00032	0.00077	U	0.00077	0.00024	0.053	U	0.053	0.017
Cyclohexane	6900	58		4.5	0.24	-	-	-	-	2.7	J	3.3	0.18	0.0073	J	0.02	0.0011	0.05		0.015	0.00084	1.7		1.1	0.058
Dibromochloromethane	2.5	0.45	U	0.45	0.063	-	-	-	-	0.33	U	0.33	0.047	0.002	U	0.002	0.00028	0.0015	U	0.0015	0.00022	0.11	U	0.11	0.015
Dichlorodifluoromethane	100	4.5	U	4.5	0.41	-	-	-	-	3.3	U	3.3	0.3	0.02	U	0.02	0.0019	0.015	U	0.015	0.0014	1.1	U	1.1	0.097
Ethylbenzene	46	3.1		0.45	0.063	-	-	-	-	0.32	J	0.33	0.047	0.0054		0.002	0.00029	0.013		0.0015	0.00022	0.34		0.11	0.015
Isopropylbenzene	2500	26		0.45	0.049	-	-	-	-	0.21	J	0.33	0.036	0.00067	J	0.002	0.00022	0.0078		0.0015	0.00017	0.12		0.11	0.012
Methyl Acetate	NS	1.8	U	1.8	0.43	-	-	-	-	1.3	U	1.3	0.32	0.0082	U	0.0082	0.0019	0.0062	U	0.0062	0.0015				

Table 13
Summary of Soil Sampling Results Relative to Vapor Intrusion Screening Criteria
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:		SB-208 (4-4.5)				SB-209 (3.5-4)				SB-210 (4-4.5)				SB-211 (3.5-4)				SB-212 (4.5-5)				SB-213 (4-4.5)			
LAB ID:	Pennsylvania Nonresidential Soil Statewide Health Standard Vapor Intrusion Screening Values Criteria	L2213931-09				L2213931-10				L2213931-11				L2213931-12				L2213931-13				L2213931-14			
COLLECTION DATE:		3/17/2022				3/17/2022				3/17/2022				3/17/2022				3/17/2022				3/17/2022			
SAMPLE DEPTH (feet):		4-4.5				3.5-4				4-4.5				3.5-4				4.5-5				4-4.5			
SAMPLE MATRIX:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																									
1,1,1-Trichloroethane	7.4	0.00064	U	0.00064	0.00022	0.00096	U	0.00096	0.00032	0.00047	U	0.00047	0.00016	0.00059	U	0.00059	0.0002	0.0007	U	0.0007	0.00024	0.29	U	0.29	0.096
1,1,2,2-Tetrachloroethane	0.13	0.00064	U	0.00064	0.00021	0.00096	U	0.00096	0.00032	0.00047	U	0.00047	0.00015	0.00059	U	0.00059	0.0002	0.0007	U	0.0007	0.00023	0.29	U	0.29	0.096
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	0.0052	U	0.0052	0.00089	0.0077	U	0.0077	0.0013	0.0037	U	0.0037	0.00065	0.0048	U	0.0048	0.00082	0.0056	U	0.0056	0.00098	2.3	U	2.3	0.4
1,1,2-Trichloroethane	0.15	0.0013	U	0.0013	0.00034	0.0019	U	0.0019	0.00051	0.00093	U	0.00093	0.00025	0.0012	U	0.0012	0.00032	0.0014	U	0.0014	0.00038	0.58	U	0.58	0.15
1,1-Dichloroethane	3.9	0.0013	U	0.0013	0.00019	0.0019	U	0.0019	0.00028	0.00093	U	0.00093	0.00014	0.0012	U	0.0012	0.00017	0.0014	U	0.0014	0.0002	0.58	U	0.58	0.084
1,1-Dichloroethene	0.19	0.0013	U	0.0013	0.00031	0.0019	U	0.0019	0.00046	0.00093	U	0.00093	0.00022	0.0012	U	0.0012	0.00028	0.0014	U	0.0014	0.00034	0.58	U	0.58	0.14
1,2,3-Trichlorobenzene	NS	0.0026	U	0.0026	0.00042	0.0038	U	0.0038	0.00062	0.0019	U	0.0019	0.0003	0.0024	U	0.0024	0.00038	0.0028	U	0.0028	0.00045	1.2	U	1.2	0.19
1,2,4-Trichlorobenzene	27	0.0026	U	0.0026	0.00035	0.0038	U	0.0038	0.00052	0.0019	U	0.0019	0.00025	0.0024	U	0.0024	0.00032	0.0028	U	0.0028	0.00038	1.2	U	1.2	0.16
1,2,4-Trimethylbenzene	300	0.0026	U	0.0026	0.00043	0.0022	J	0.0038	0.00064	0.0019	U	0.0019	0.00031	0.0024	U	0.0024	0.0004	0.0029		0.0028	0.00047	20		1.2	0.19
1,2-Dibromo-3-chloropropane	0.0092	0.0039	U	0.0039	0.0013	0.0058	U	0.0058	0.0019	0.0028	U	0.0028	0.00093	0.0036	U	0.0036	0.0012	0.0042		0.0042	0.0014	1.7	U	1.7	0.58
1,2-Dibromoethane	0.0013	0.00064	U	0.00064	0.00038	0.00096	U	0.00096	0.00056	0.00047	U	0.00047	0.00027	0.00059	U	0.00059	0.00035	0.0007	U	0.0007	0.00041	0.29	U	0.29	0.17
1,2-Dichlorobenzene	59	0.0026	U	0.0026	0.00018	0.0038	U	0.0038	0.00028	0.0019	U	0.0019	0.00013	0.0024	U	0.0024	0.00017	0.0028	U	0.0028	0.0002	1.2	U	1.2	0.083
1,2-Dichloroethane	0.1	0.0013	U	0.0013	0.00033	0.00054	J	0.0019	0.0005	0.00093	U	0.00093	0.00024	0.0012	U	0.0012	0.0003	0.0014	U	0.0014	0.00036	0.58	U	0.58	0.15
1,2-Dichloroethene, Total	NS	0.0013	U	0.0013	0.00018	0.0019	U	0.0019	0.00026	0.00093	U	0.00093	0.00013	0.0012	U	0.0012	0.00016	0.0014	U	0.0014	0.00019	0.58	U	0.58	0.079
1,2-Dichloropropane	0.11	0.0013	U	0.0013	0.00016	0.0019	U	0.0019	0.00024	0.00093	U	0.00093	0.00012	0.0012	U	0.0012	0.00015	0.0014	U	0.0014	0.00018	0.58	U	0.58	0.072
1,3,5-Trimethylbenzene	93	0.0026	U	0.0026	0.00025	0.0085		0.0038	0.00037	0.0019	U	0.0019	0.00018	0.0024	U	0.0024	0.00023	0.0024	J	0.0028	0.00027	8.5		1.2	0.11
1,3-Dichlorobenzene	NS	0.0026	U	0.0026	0.00019	0.0038	U	0.0038	0.00028	0.0019	U	0.0019	0.00014	0.0024	U	0.0024	0.00018	0.0028	U	0.0028	0.00021	1.2	U	1.2	0.086
1,3-Dichloropropene, Total	0.48	0.00064	U	0.00064	0.0002	0.00096	U	0.00096	0.0003	0.00047	U	0.00047	0.00015	0.00059	U	0.00059	0.00019	0.0007	U	0.0007	0.00022	0.29	U	0.29	0.091
1,4-Dichlorobenzene	10	0.0026	U	0.0026	0.00022	0.0038	U	0.0038	0.00033	0.0019	U	0.0019	0.00016	0.0024	U	0.0024	0.0002	0.0028	U	0.0028	0.00024	1.2	U	1.2	0.099
1,4-Dioxane	9	0.1	U	0.1	0.045	0.15	U	0.15	0.068	0.075	U	0.075	0.033	0.095	U	0.095	0.042	0.11	U	0.11	0.049	46	U	46	20
2-Butanone	1100	0.0064	J	0.013	0.0029	0.019	U	0.019	0.0043	0.0093	U	0.0093	0.0021	0.0044	J	0.012	0.0026	0.0035	J	0.014	0.0031	5.8	U	5.8	1.3
2-Hexanone	6.4	0.013	U	0.013	0.0015	0.019	U	0.019	0.0023	0.0093	U	0.0093	0.0011	0.012	U	0.012	0.0014	0.014	U	0.014	0.0017	5.8	U	5.8	0.68
4-Methyl-2-pentanone	210	0.013	U	0.013	0.0016	0.019	U	0.019	0.0025	0.0093	U	0.0093	0.0012	0.012	U	0.012	0.0015	0.014	U	0.014	0.0018	5.8	U	5.8	0.74
Acetone	4700	0.042		0.032	0.013	0.048	U	0.048	0.019	0.023	U	0.023	0.0093	0.023	J	0.03	0.012	0.02	J	0.035	0.014	5.8	U	5.8	2.8
Benzene	0.13	0.00064	U	0.00064	0.00021	0.0014		0.00096	0.00032	0.00047	U	0.00047	0.00015	0.00059	U	0.00059	0.0002	0.0011		0.0007	0.00023	1.8		0.29	0.096
Bromochloromethane	1.6	0.0026	U	0.0026	0.00026	0.0038	U	0.0038	0.0004	0.0019	U	0.0019	0.00019	0.0024	U	0.0024	0.00024	0.0028	U	0.0028	0.00029	1.2	U	1.2	0.12
Bromodichloromethane	2.7	0.00064	U	0.00064	0.00014	0.00096	U	0.00096	0.00021	0.00047	U	0.00047	0.0001	0.00059	U	0.00059	0.00013	0.0007	U	0.0007	0.00015	0.29	U	0.29	0.063
Bromoform	3.5	0.0052	U	0.0052	0.00032	0.0077	U	0.0077	0.00047	0.0037	U	0.0037	0.00023	0.0048	U	0.0048	0.00029	0.0056	U	0.0056	0.00035	2.3	U	2.3	0.14
Bromomethane	0.54	0.0026	U	0.0026	0.00075	0.0038	U	0.0038	0.0011	0.0019	U	0.0019	0.00054	0.0024	U	0.0024	0.00069	0.0028	U	0.0028	0.00082	1.2	U	1.2	0.34
Carbon disulfide	530	0.013	U	0.013	0.0059	0.019	U	0.019	0.0088	0.0093	U	0.0093	0.0042	0.012	U	0.012	0.0054	0.014	U	0.014	0.0064	5.8	U	5.8	2.6
Carbon tetrachloride	0.26	0.0013	U	0.0013	0.0003	0.0019	U	0.0019	0.00044	0.00093	U	0.00093	0.00021	0.0012	U	0.0012	0.00027	0.0014	U	0.0014	0.00032	0.58	U	0.58	0.13
Chlorobenzene	6.1	0.00064	U	0.00064	0.00016	0.00096	U	0.00096	0.00024	0.00047	U	0.00047	0.00012	0.00059	U	0.00059	0.00015	0.0007	U	0.0007	0.00018	0.29	U	0.29	0.073
Chloroethane	1900	0.0026	U	0.0026	0.00058	0.0038	U	0.0038	0.00087	0.0019	U	0.0019	0.00042	0.0024	U	0.0024	0.00054	0.0028	U	0.0028	0.00064	1.2	U	1.2	0.26
Chloroform	2	0.0019	U	0.0019	0.00018	0.0029	U	0.0029	0.00027	0.0014	U	0.0014	0.00013	0.0018	U	0.0018	0.00017	0.0021	U	0.0021	0.0002	0.87	U	0.87	0.081
Chloromethane	0.38	0.0052	U	0.0052	0.0012	0.0077	U	0.0077	0.0018	0.0037	U	0.0037	0.00087	0.0048	U	0.0048	0.0011	0.0056	U	0.0056	0.0013	2.3	U	2.3	0.54
cis-1,2-Dichloroethene	NS	0.0013	U	0.0013	0.00022	0.0019	U	0.0019	0.00034	0.00093	U	0.00093	0.00016	0.0012	U	0.0012	0.00021	0.0014	U	0.0014	0.00025	0.58	U	0.58	0.1
cis-1,3-Dichloropropene	NS	0.00064	U	0.00064	0.0002	0.00096	U	0.00096	0.0003	0.00047	U	0.00047	0.00015	0.00059	U	0.00059	0.00019	0.0007	U	0.0007	0.00022	0.29	U	0.29	0.091
Cyclohexane	6900	0.013	U	0.013	0.0007	0.0056	J	0.019	0.001	0.0093	U	0.0093	0.												

Table 13
Summary of Soil Sampling Results Relative to Vapor Intrusion Screening Criteria
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:	Pennsylvania Nonresidential Soil Statewide Health Standard Vapor Intrusion Screening Values Criteria	SB-214 (4-4.5)				SB-215 (4.5-5)				SB-215 (4.5-5)				SB-215 (4.5-5)				SB-215 (4.5-5)			
LAB ID:		L2213931-15				L2213931-16				L2213931-16				L2213931-16 R1				L2213931-16 R2			
COLLECTION DATE:		3/17/2022				3/17/2022				3/17/2022				3/17/2022				3/17/2022			
SAMPLE DEPTH (feet):		4-4.5				4.5-5				4.5-5				4.5-5				4.5-5			
SAMPLE MATRIX:		SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035																					
EPA 5035 HIGH																					
1,1,1-Trichloroethane	7.4	0.00053	U	0.00053	0.00018	0.00084	U	0.00084	0.00028	0.05	U	0.05	0.017	0.0008	U	0.0008	0.00027	-	-	-	-
1,1,2,2-Tetrachloroethane	0.13	0.00053	U	0.00053	0.00018	0.00084	U	0.00084	0.00028	0.05	U	0.05	0.016	0.0008	U	0.0008	0.00027	-	-	-	-
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	0.0042	U	0.0042	0.00073	0.0067	U	0.0067	0.0012	0.4	U	0.4	0.069	0.0064	U	0.0064	0.0011	-	-	-	-
1,1,2-Trichloroethane	0.15	0.001	U	0.001	0.00028	0.0017	U	0.0017	0.00045	0.1	U	0.1	0.027	0.0016	U	0.0016	0.00043	-	-	-	-
1,1-Dichloroethane	3.9	0.001	U	0.001	0.00015	0.0017	U	0.0017	0.00024	0.1	U	0.1	0.014	0.0016	U	0.0016	0.00023	-	-	-	-
1,1-Dichloroethene	0.19	0.001	U	0.001	0.00025	0.0017	U	0.0017	0.0004	0.1	U	0.1	0.024	0.0016	U	0.0016	0.00038	-	-	-	-
1,2,3-Trichlorobenzene	NS	0.0021	U	0.0021	0.00034	0.0034	U	0.0034	0.00054	0.2	U	0.2	0.032	0.0032	U	0.0032	0.00052	-	-	-	-
1,2,4-Trichlorobenzene	27	0.0021	U	0.0021	0.00029	0.0034	U	0.0034	0.00046	0.2	U	0.2	0.027	0.0032	U	0.0032	0.00044	-	-	-	-
1,2,4-Trimethylbenzene	300	0.00046	J	0.0021	0.00035	0.48		0.0034	0.00056	3.3		0.2	0.033	0.46		0.0032	0.00054	-	-	-	-
1,2-Dibromo-3-chloropropane	0.0092	0.0032	U	0.0032	0.001	0.005	U	0.005	0.0017	0.3	U	0.3	0.1	0.0048	U	0.0048	0.0016	-	-	-	-
1,2-Dibromoethane	0.0013	0.00053	U	0.00053	0.00031	0.00084	U	0.00084	0.00049	0.05	U	0.05	0.029	0.0008	U	0.0008	0.00047	-	-	-	-
1,2-Dichlorobenzene	59	0.0021	U	0.0021	0.00015	0.0034	U	0.0034	0.00024	0.2	U	0.2	0.014	0.0032	U	0.0032	0.00023	-	-	-	-
1,2-Dichloroethane	0.1	0.001	U	0.001	0.00027	0.00044	J	0.0017	0.00043	0.1	U	0.1	0.026	0.00043	J	0.0016	0.00041	-	-	-	-
1,2-Dichloroethene, Total	NS	0.001	U	0.001	0.00014	0.0017	U	0.0017	0.00023	0.1	U	0.1	0.014	0.0016	U	0.0016	0.00022	-	-	-	-
1,2-Dichloropropane	0.11	0.001	U	0.001	0.00013	0.0017	U	0.0017	0.00021	0.1	U	0.1	0.012	0.0016	U	0.0016	0.0002	-	-	-	-
1,3,5-Trimethylbenzene	93	0.00021	J	0.0021	0.0002	0.53	E	0.0034	0.00032	3.6		0.2	0.019	0.51	E	0.0032	0.00031	-	-	-	-
1,3-Dichlorobenzene	NS	0.0021	U	0.0021	0.00016	0.0034	U	0.0034	0.00025	0.2	U	0.2	0.015	0.0032	U	0.0032	0.00024	-	-	-	-
1,3-Dichloropropene, Total	0.48	0.00053	U	0.00053	0.00017	0.00084	U	0.00084	0.00026	0.05	U	0.05	0.016	0.0008	U	0.0008	0.00025	-	-	-	-
1,4-Dichlorobenzene	10	0.0021	U	0.0021	0.00018	0.0034	U	0.0034	0.00029	0.2	U	0.2	0.017	0.0032	U	0.0032	0.00028	-	-	-	-
1,4-Dioxane	9	0.084	U	0.084	0.037	0.13	U	0.13	0.059	8	U	8	3.5	0.13	U	0.13	0.056	-	-	-	-
2-Butanone	1100	0.0053	J	0.01	0.0023	0.017	U	0.017	0.0037	1	U	1	0.22	0.016	U	0.016	0.0036	-	-	-	-
2-Hexanone	6.4	0.01	U	0.01	0.0012	0.017	U	0.017	0.002	1	U	1	0.12	0.016	U	0.016	0.0019	-	-	-	-
4-Methyl-2-pentanone	210	0.01	U	0.01	0.0014	0.017	U	0.017	0.0021	1	U	1	0.13	0.016	U	0.016	0.002	-	-	-	-
Acetone	4700	0.031		0.026	0.01	0.018	J	0.042	0.017	1	U	1	0.48	0.02	J	0.04	0.016	-	-	-	-
Benzene	0.13	0.0003	J	0.00053	0.00018	0.015		0.00084	0.00028	0.12		0.05	0.016	0.014		0.0008	0.00027	-	-	-	-
Bromochloromethane	1.6	0.0021	U	0.0021	0.00022	0.0034	U	0.0034	0.00034	0.2	U	0.2	0.02	0.0032	U	0.0032	0.00033	-	-	-	-
Bromodichloromethane	2.7	0.00053	U	0.00053	0.00012	0.00084	U	0.00084	0.00018	0.05	U	0.05	0.011	0.0008	U	0.0008	0.00018	-	-	-	-
Bromoform	3.5	0.0042	U	0.0042	0.00026	0.0067	U	0.0067	0.00041	0.4	U	0.4	0.024	0.0064	U	0.0064	0.0004	-	-	-	-
Bromomethane	0.54	0.0021	U	0.0021	0.00061	0.0034	U	0.0034	0.00098	0.2	U	0.2	0.058	0.0032	U	0.0032	0.00093	-	-	-	-
Carbon disulfide	530	0.01	U	0.01	0.0048	0.017	U	0.017	0.0076	1	U	1	0.45	0.01	J	0.016	0.0073	-	-	-	-
Carbon tetrachloride	0.26	0.001	U	0.001	0.00024	0.0017	U	0.0017	0.00039	0.1	U	0.1	0.023	0.0016	U	0.0016	0.00037	-	-	-	-
Chlorobenzene	6.1	0.00053	U	0.00053	0.00013	0.00084	U	0.00084	0.00021	0.05	U	0.05	0.013	0.0008	U	0.0008	0.0002	-	-	-	-
Chloroethane	1900	0.0021	U	0.0021	0.00048	0.0034	U	0.0034	0.00076	0.2	U	0.2	0.045	0.0032	U	0.0032	0.00073	-	-	-	-
Chloroform	2	0.0016	U	0.0016	0.00015	0.0025	U	0.0025	0.00024	0.15	U	0.15	0.014	0.0024	U	0.0024	0.00022	-	-	-	-
Chloromethane	0.38	0.0042	U	0.0042	0.00098	0.0067	U	0.0067	0.0016	0.4	U	0.4	0.093	0.0064	U	0.0064	0.0015	-	-	-	-
cis-1,2-Dichloroethene	NS	0.001	U	0.001	0.00018	0.0017	U	0.0017	0.00029	0.1	U	0.1	0.017	0.0016	U	0.0016	0.00028	-	-	-	-
cis-1,3-Dichloropropene	NS	0.00053	U	0.00053	0.00017	0.00084	U	0.00084	0.00026	0.05	U	0.05	0.016	0.0008	U	0.0008	0.00025	-	-	-	-
Cyclohexane	6900	0.00092	J	0.01	0.00057	0.047		0.017	0.00091	0.48	J	1	0.054	0.052		0.016	0.00088	-	-	-	-
Dibromochloromethane	2.5	0.001	U	0.001	0.00015	0.0017	U	0.0017	0.00024	0.1	U	0.1	0.014	0.0016	U	0.0016	0.00022	-	-	-	-
Dichlorodifluoromethane	100	0.01	U	0.01	0.00097	0.017	U	0.017	0.0015	1	U	1	0.091	0.016	U	0.016	0.0015	-	-	-	-
Ethylbenzene	46	0.001	U	0.001	0.00015	0.039		0.0017	0.00024	0.31		0.1	0.014	0.038		0.0016	0.00023	-	-	-	-
Isopropylbenzene	2500	0.001	U	0.001	0.00012	0.02		0.0017	0.00018	0.14		0.1	0.011	0.024		0.0016	0.00018	-	-	-	-
Methyl Acetate	NS	0.0042	U	0.0042	0.001	0.0067	U	0.0067	0.0016	0.32	J	0.4	0.095	0.0064	U	0.0064	0.0015	-	-	-	-
Methyl cyclohexane	NS	0.00093	J	0.0042	0.00064	0.034		0.0067	0.001	0.85		0.4	0.06	0.042		0.0064	0.00097	-	-	-	-
Methyl tert butyl ether	1.4	0.0021	U	0.0021	0.00021	0.00043	J	0.0034	0.00034	0.2	U	0.2	0.02	0.00065	J	0.0032	0.00032	-	-	-	-
Methylene chloride	1.5	0.0053	U	0.0053	0.0024	0.0084	U	0.0084	0.0038	0.5	U	0.5	0.23	0.008	U	0.008	0.0037	-	-	-	-
Naphthalene	25	0.052		0.0042	0.00069	1.9	E	0.0067	0.0011	38	E	0.4	0.065	2	E	0.0064	0.001	-	-	-	-
o-Xylene	NS	0.001	U	0.001	0.00031	0.3		0.0017	0.00049	1.9		0.1	0.029	0.26		0.0016	0.00047	-	-	-	-
p/m-Xylene	NS	0.0021	U	0.0021	0.00059	0.3		0.0034	0.00094	2		0.2	0.056	0.27		0.0032	0.0009	-	-	-	-
Styrene	79	0.001	U	0.001	0.00021	0.00092	J	0.0017	0.00033	0.024	J	0.1	0.02	0.0011	J	0.0016					

Table 13
Summary of Soil Sampling Results Relative to Vapor Intrusion Screening Criteria
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:	Pennsylvania Nonresidential Soil Statewide Health Standard Vapor Intrusion Screening Values Criteria	SB-216 (3.5-4)				SB-216 (3.5-4)				SB-217 (8.5-9)				DUP-1				DUP-1			
LAB ID:		L2213931-17				L2213931-17				L2213931-18				L2213931-19				L2213931-19			
COLLECTION DATE:		3/17/2022				3/17/2022				3/17/2022				3/17/2022				3/17/2022			
SAMPLE DEPTH (feet):		3.5-4				3.5-4				8.5-9											
SAMPLE MATRIX:		SOIL				SOIL				SOIL				SOIL				SOIL			
ANALYTE	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035		EPA 5035 HIGH																			
1,1,1-Trichloroethane	7.4	0.0007	U	0.0007	0.00023	0.048	U	0.048	0.016	0.2	U	0.2	0.067	0.00072	U	0.00072	0.00024	0.045	U	0.045	0.015
1,1,2,2-Tetrachloroethane	0.13	0.0007	U	0.0007	0.00023	0.048	U	0.048	0.016	0.2	U	0.2	0.066	0.00072	U	0.00072	0.00024	0.045	U	0.045	0.015
1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	0.0056	U	0.0056	0.00097	0.39	U	0.39	0.067	1.6	U	1.6	0.28	0.0058	U	0.0058	0.001	0.36	U	0.36	0.062
1,1,2-Trichloroethane	0.15	0.0014	U	0.0014	0.00037	0.096	U	0.096	0.026	0.4	U	0.4	0.11	0.0014	U	0.0014	0.00039	0.089	U	0.089	0.024
1,1-Dichloroethane	3.9	0.0014	U	0.0014	0.0002	0.096	U	0.096	0.014	0.4	U	0.4	0.058	0.0014	U	0.0014	0.00021	0.089	U	0.089	0.013
1,1-Dichloroethene	0.19	0.0014	U	0.0014	0.00033	0.096	U	0.096	0.023	0.4	U	0.4	0.095	0.0014	U	0.0014	0.00034	0.089	U	0.089	0.021
1,2,3-Trichlorobenzene	NS	0.0028	U	0.0028	0.00045	0.19	U	0.19	0.031	0.8	U	0.8	0.13	0.0029	U	0.0029	0.00047	0.18	U	0.18	0.029
1,2,4-Trichlorobenzene	27	0.0028	U	0.0028	0.00038	0.19	U	0.19	0.026	0.8	U	0.8	0.11	0.0029	U	0.0029	0.00039	0.18	U	0.18	0.024
1,2,4-Trimethylbenzene	300	0.2		0.0028	0.00047	1.8		0.19	0.032	3.6		0.8	0.13	0.2		0.0029	0.00048	0.92		0.18	0.03
1,2-Dibromo-3-chloropropane	0.0092	0.0042	U	0.0042	0.0014	0.29	U	0.29	0.096	1.2	U	1.2	0.4	0.0043	U	0.0043	0.0014	0.27	U	0.27	0.089
1,2-Dibromoethane	0.0013	0.0007	U	0.0007	0.00041	0.048	U	0.048	0.028	0.2	U	0.2	0.12	0.00072	U	0.00072	0.00042	0.045	U	0.045	0.026
1,2-Dichlorobenzene	59	0.0028	U	0.0028	0.0002	0.19	U	0.19	0.014	0.8	U	0.8	0.058	0.0029	U	0.0029	0.00021	0.18	U	0.18	0.013
1,2-Dichloroethane	0.1	0.0014	U	0.0014	0.00036	0.057	J	0.096	0.025	0.4	U	0.4	0.1	0.0014	U	0.0014	0.00037	0.089	U	0.089	0.023
1,2-Dichloroethene, Total	NS	0.0014	U	0.0014	0.00019	0.096	U	0.096	0.013	0.4	U	0.4	0.055	0.0014	U	0.0014	0.0002	0.089	U	0.089	0.012
1,2-Dichloropropane	0.11	0.0014	U	0.0014	0.00017	0.096	U	0.096	0.012	0.4	U	0.4	0.05	0.0014	U	0.0014	0.00018	0.089	U	0.089	0.011
1,3,5-Trimethylbenzene	93	0.43	E	0.0028	0.00027	3.6		0.19	0.019	1		0.8	0.077	0.19		0.0029	0.00028	0.71		0.18	0.017
1,3-Dichlorobenzene	NS	0.0028	U	0.0028	0.00021	0.19	U	0.19	0.014	0.8	U	0.8	0.059	0.0029	U	0.0029	0.00021	0.18	U	0.18	0.013
1,3-Dichloropropene, Total	0.48	0.0007	U	0.0007	0.00022	0.048	U	0.048	0.015	0.2	U	0.2	0.063	0.00072	U	0.00072	0.00023	0.045	U	0.045	0.014
1,4-Dichlorobenzene	10	0.0028	U	0.0028	0.00024	0.19	U	0.19	0.016	0.8	U	0.8	0.068	0.0029	U	0.0029	0.00025	0.18	U	0.18	0.015
1,4-Dioxane	9	0.11	U	0.11	0.049	7.7	U	7.7	3.4	32	U	32	14	0.12	U	0.12	0.051	7.2	U	7.2	3.1
2-Butanone	1100	0.014	U	0.014	0.0031	0.96	U	0.96	0.21	4	U	4	0.89	0.0066	J	0.014	0.0032	0.89	U	0.89	0.2
2-Hexanone	6.4	0.014	U	0.014	0.0016	0.96	U	0.96	0.11	4	U	4	0.47	0.014	U	0.014	0.0017	0.89	U	0.89	0.1
4-Methyl-2-pentanone	210	0.014	U	0.014	0.0018	0.96	U	0.96	0.12	4	U	4	0.51	0.014	U	0.014	0.0018	0.89	U	0.89	0.11
Acetone	4700	0.035	U	0.035	0.014	0.96	U	0.96	0.46	4	U	4	1.9	0.06		0.036	0.014	0.89	U	0.89	0.43
Benzene	0.13	0.0054		0.0007	0.00023	0.27		0.048	0.016	1		0.2	0.066	0.019		0.00072	0.00024	0.21		0.045	0.015
Bromochloromethane	1.6	0.0028	U	0.0028	0.00029	0.19	U	0.19	0.02	0.8	U	0.8	0.082	0.0029	U	0.0029	0.0003	0.18	U	0.18	0.018
Bromodichloromethane	2.7	0.0007	U	0.0007	0.00015	0.048	U	0.048	0.01	0.2	U	0.2	0.044	0.00072	U	0.00072	0.00016	0.045	U	0.045	0.0097
Bromoform	3.5	0.0056	U	0.0056	0.00034	0.39	U	0.39	0.024	1.6	U	1.6	0.098	0.0058	U	0.0058	0.00036	0.36	U	0.36	0.022
Bromomethane	0.54	0.0028	U	0.0028	0.00081	0.19	U	0.19	0.056	0.8	U	0.8	0.23	0.0029	U	0.0029	0.00084	0.18	U	0.18	0.052
Carbon disulfide	530	0.014	U	0.014	0.0064	0.96	U	0.96	0.44	4	U	4	1.8	0.014	U	0.014	0.0066	0.89	U	0.89	0.41
Carbon tetrachloride	0.26	0.0014	U	0.0014	0.00032	0.096	U	0.096	0.022	0.4	U	0.4	0.092	0.0014	U	0.0014	0.00033	0.089	U	0.089	0.02
Chlorobenzene	6.1	0.0007	U	0.0007	0.00018	0.048	U	0.048	0.012	0.2	U	0.2	0.051	0.00072	U	0.00072	0.00018	0.045	U	0.045	0.011
Chloroethane	1900	0.0028	U	0.0028	0.00063	0.19	U	0.19	0.044	0.8	U	0.8	0.18	0.0029	U	0.0029	0.00066	0.18	U	0.18	0.04
Chloroform	2	0.0021	U	0.0021	0.0002	0.14	U	0.14	0.014	0.6	U	0.6	0.056	0.0022	U	0.0022	0.0002	0.13	U	0.13	0.012
Chloromethane	0.38	0.0056	U	0.0056	0.0013	0.39	U	0.39	0.09	1.6	U	1.6	0.37	0.0058	U	0.0058	0.0014	0.36	U	0.36	0.083
cis-1,2-Dichloroethene	NS	0.0014	U	0.0014	0.00024	0.096	U	0.096	0.017	0.4	U	0.4	0.07	0.0014	U	0.0014	0.00025	0.089	U	0.089	0.016
cis-1,3-Dichloropropene	NS	0.0007	U	0.0007	0.00022	0.048	U	0.048	0.015	0.2	U	0.2	0.063	0.00072	U	0.00072	0.00023	0.045	U	0.045	0.014
Cyclohexane	6900	0.077		0.014	0.00076	0.56	J	0.96	0.052	33		4	0.22	0.046		0.014	0.00079	0.17	J	0.89	0.049
Dibromochloromethane	2.5	0.0014	U	0.0014	0.0002	0.096	U	0.096	0.014	0.4	U	0.4	0.056	0.0014	U	0.0014	0.0002	0.089	U	0.089	0.012
Dichlorodifluoromethane	100	0.014	U	0.014	0.0013	0.96	U	0.96	0.088	4	U	4	0.37	0.014	U	0.014	0.0013	0.89	U	0.89	0.082
Ethylbenzene	46	0.0058		0.0014	0.0002	0.21		0.096	0.014	0.6		0.4	0.056	0.027		0.0014	0.0002	0.17		0.089	0.013
Isopropylbenzene	2500	0.0044		0.0014	0.00015	0.05	J	0.096	0.01	14		0.4	0.044	0.011		0.0014	0.00016	0.04	J	0.089	0.0097
Methyl Acetate	NS	0.0056	U	0.0056	0.0013	0.39	U	0.39	0.092	1.6	U	1.6	0.38	0.0058	U	0.0058	0.0014	0.36	U	0.36	0.085
Methyl cyclohexane	NS	0.052		0.0056	0.00084	0.58		0.39	0.058	110		1.6	0.24	0.04		0.0058	0.00087	0.21	J	0.36	0.054
Methyl tert butyl ether	1.4	0.0028	U	0.0028	0.00028	0.19	U	0.19	0.019	0.8	U	0.8	0.08	0.00046	J	0.0029	0.00029	0.18	U	0.18	0.018
Methylene chloride	1.5	0.007	U	0.007	0.0032	0.48	U	0.48	0.22	2	U	2	0.92	0.0072	U	0.0072	0.0033	0.45	U	0.45	0.2
Naphthalene	25	0.024		0.0056	0.00091	0.94		0.39	0.063	1.9		1.6	0.26	3.4	E	0.0058	0.00094	35	E	0.36	0.058
o-Xylene	NS	0.25		0.0014	0.00041	2.3		0.096	0.028	0.48		0.4	0.12	0.18		0.0014	0.00042	0.84		0.089	0.026
p/m-Xylene	NS	0.13		0.0028	0.00078	2.4		0.19	0.054	2.3		0.8	0.22	0.16							

Table 14
Summary of Soil Gas Sampling Results
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:	Pennsylvania Nonresidential Near-Source Soil Gas Statewide Health Standard Vapor Intrusion Screening Values Criteria	Pennsylvania Nonresidential Sub-Slab Soil Gas Statewide Health Standard Vapor Intrusion Screening Values Criteria	Units	SG-1				SG-2				SG-3				SG-4			
LAB ID:				L2227668-01				L2227668-02				L2227668-03				L2227668-04			
COLLECTION DATE:				5/25/2022				5/25/2022				5/25/2022				5/25/2022			
SAMPLE DEPTH:				2.5FT				2.5FT				2.5FT				2.5FT			
SAMPLE MATRIX:				SOIL_VAPOR				SOIL_VAPOR				SOIL_VAPOR				SOIL_VAPOR			
ANALYTE				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS IN AIR																			
1,1,1-Trichloroethane	22000000		2800000	ug/m3	0.273	U	1.09	0.273	0.273	U	1.09	0.273	0.273	U	1.09	0.273	0.273		
1,1,2,2-Tetrachloroethane	2100		270	ug/m3	0.422	U	1.37	0.422	0.422	U	1.37	0.422	0.422	U	1.37	0.422	0.422		
1,1,2-Trichloroethane	880		110	ug/m3	0.366	U	1.09	0.366	0.366	U	1.09	0.366	0.366	U	1.09	0.366	0.366		
1,1-Dichloroethane	77000		9800	ug/m3	0.254	U	0.809	0.254	0.254	U	0.809	0.254	0.254	U	0.809	0.254	0.254		
1,1-Dichloroethene	880000		110000	ug/m3	0.255	U	0.793	0.255	0.255	U	0.793	0.255	0.255	U	0.793	0.255	0.255		
1,2,4-Trichlorobenzene	8800		1100	ug/m3	0.5	U	1.48	0.5	0.5	U	1.48	0.5	0.5	U	1.48	0.5	0.5		
1,2,4-Trimethylbenzene	260000		34000	ug/m3	17.7		0.983	0.181	5.56		0.983	0.181	7.57		0.983	0.181	0.683		
1,2-Dibromoethane	200		26	ug/m3	0.431	U	1.54	0.431	0.431	U	1.54	0.431	0.431	U	1.54	0.431	0.431		
1,2-Dichlorobenzene	880000		110000	ug/m3	0.378	U	1.2	0.378	0.378	U	1.2	0.378	0.378	U	1.2	0.378	0.378		
1,2-Dichloroethane	4700		610	ug/m3	1.59		0.809	0.244	0.244	U	0.809	0.244	0.684	J	0.809	0.244	0.244		
1,2-Dichloropropane	33		4.3	ug/m3	0.282	U	0.924	0.282	0.282	U	0.924	0.282	0.282	U	0.924	0.282	0.282		
1,3,5-Trimethylbenzene	260000		34000	ug/m3	7.37		0.983	0.332	1.96		0.983	0.332	2.08		0.983	0.332	0.332		
1,3-Butadiene	4100		520	ug/m3	1.24		0.442	0.148	0.934		0.442	0.148	0.148	U	0.442	0.148	0.212		
1,3-Dichloropropane	NS		NS	ug/m3	0.49	U	0.924	0.49	0.49	U	0.924	0.49	0.49	U	0.924	0.49	0.49		
1,4-Dichlorobenzene	11000		1400	ug/m3	0.382	U	1.2	0.382	0.382	U	1.2	0.382	0.382	U	1.2	0.382	0.382		
1,4-Dioxane	25000		3100	ug/m3	0.29	U	0.721	0.29	0.29	U	0.721	0.29	0.29	U	0.721	0.29	0.29		
3-Chloropropene	4400		560	ug/m3	0.183	U	0.626	0.183	0.183	U	0.626	0.183	0.183	U	0.626	0.183	0.183		
4-Methyl-2-pentanone	13000000		1700000	ug/m3	6.88		2.05	0.173	2.25		2.05	0.173	0.291	J	2.05	0.173	0.173		
Acetone	140000000		17000000	ug/m3	10.9		2.38	1.64	30.6		2.38	1.64	6.65		2.38	1.64	6.44		
Acrolein	88		11	ug/m3	0.848	J	1.15	0.137	0.137	U	1.15	0.137	0.919	J	1.15	0.137	0.53		
Acrylonitrile	1800		230	ug/m3	0.12	U	1.09	0.12	0.12	U	1.09	0.12	0.12	U	1.09	0.12	0.12		
Benzene	16000		2000	ug/m3	25.2		0.639	0.156	2.97		0.639	0.156	9.74		0.639	0.156	3.39		
Benzyl chloride	2500		320	ug/m3	0.25	U	1.04	0.25	0.25	U	1.04	0.25	0.25	U	1.04	0.25	0.25		
Bromodichloromethane	3300		430	ug/m3	0.338	U	1.34	0.338	0.338	U	1.34	0.338	0.338	U	1.34	0.338	0.338		
Bromoform	110000		14000	ug/m3	0.663	U	2.07	0.663	0.663	U	2.07	0.663	0.663	U	2.07	0.663	0.663		
Bromomethane	22000		2800	ug/m3	0.3	U	0.777	0.3	0.3	U	0.777	0.3	0.3	U	0.777	0.3	0.3		
Carbon disulfide	3100000		390000	ug/m3	1.13		0.623	0.174	8.28		0.623	0.174	1.24		0.623	0.174	1.08		
Carbon tetrachloride	20000		2600	ug/m3	0.321	J	1.26	0.314	0.314	U	1.26	0.314	0.44	J	1.26	0.314	0.428		
Chlorobenzene	220000		28000	ug/m3	0.287	U	0.921	0.287	0.287	U	0.921	0.287	0.287	U	0.921	0.287	0.287		
Chloroethane	44000000		5600000	ug/m3	0.212	U	0.528	0.212	0.212	U	0.528	0.212	0.212	U	0.528	0.212	0.212		
Chloroform	5300		680	ug/m3	4.98		0.977	0.309	0.381	J	0.977	0.309	0.309	U	0.977	0.309	0.309		
Chloromethane	68000		8700	ug/m3	1.06		0.413	0.142	1.06		0.413	0.142	1.15		0.413	0.142	1.23		
Cyclohexane	26000000		3400000	ug/m3	4.41		0.688	0.127	0.654	J	0.688	0.127	0.819		0.688	0.127	1.38		
Dibromochloromethane	4500		580	ug/m3	0.523	U	1.7	0.523	0.523	U	1.7	0.523	0.523	U	1.7	0.523	0.523		
Dichlorodifluoromethane	440000		56000	ug/m3	2.58		0.989	0.288	2.52		0.989	0.288	2.69		0.989	0.288	2.64		
Ethylbenzene	49000		6300	ug/m3	18.2		0.869	0.188	2.28		0.869	0.188	5.56		0.869	0.188	0.482		
Freon-113	22000000		2800000	ug/m3	0.503	U	1.53	0.503	0.503	U	1.53	0.503	0.503	U	1.53	0.503	0.544		
Isopropanol	880000		110000	ug/m3	2.58		1.23	1.17	1.17	U	1.23	1.17	1.17	U	1.23	1.17	1.17		
Isopropylbenzene	1800000		220000	ug/m3	1.74		0.983	0.241	0.983		0.983	0.241	0.403	J	0.983	0.241	0.241		
Methyl Methacrylate	3100000		390000	ug/m3	0.285	U	2.05	0.285	0.285	U	2.05	0.285	0.285	U	2.05	0.285	0.285		
Methyl tert butyl ether	470000		61000	ug/m3	0.189	U	0.721	0.189	0.189	U	0.721	0.189	0.189	U	0.721	0.189	0.189		
Methylene chloride	2600000		340000	ug/m3	0.691	J	1.74	0.466	0.886	J	1.74	0.466	7.09		1.74	0.466	0.82		
n-Hexane	3100000		390000	ug/m3	33.4		0.705	0.128	2.11		0.705	0.128	9.3		0.705	0.128	3.74		
Naphthalene	3600		460	ug/m3	2.03		1.05	0.464	0.975	J	1.05	0.464	8.34		1.05	0.464	0.464		
o-Xylene	NS		NS	ug/m3	22.3		0.869	0.197	5.04		0.869	0.197	5.39		0.869	0.197	0.764		
p/m-Xylene	NS		NS	ug/m3	84.3		1.74	0.395	9.08		1.74	0.395	22.5		1.74	0.395	1.78		
Styrene	4400000		560000	ug/m3	0.307	J	0.852	0.185	0.447	J	0.852	0.185	0.185	U	0.852	0.185	0.185		
Tetrachloroethene	180000		22000	ug/m3	6.01		1.36	0.444	0.651	J	1.36	0.444	0.454	J	1.36	0.444	0.444		
Tetrahydrofuran	63000		8100	ug/m3	0.681	J	1.47	0.168	0.72	J	1.47	0.168	0.224	J	1.47	0.168	0.168		
Toluene	22000000		2800000	ug/m3	115		0.754	0.196	4.86		0.754	0.196	25.8		0.754	0.196	2.63		
trans-1,2-Dichloroethene	260000		34000	ug/m3	0.255	U	0.793	0.255	0.255	U	0.793	0.255	0.255	U	0.793	0.255	0.255		
Trichloroethene	8800		1100	ug/m3	0.271	U	1.07	0.271	0.271	U	1.07	0.271	0.271	U	1.07	0.271	0.271		
Trichlorofluoromethane	3100000		390000	ug/m3	1.21		1.12	0.386	1.14		1.12	0.386	1.2		1.12	0.386	1.2		
Vinyl bromide	3800		490	ug/m3	0.313	U	0.874	0.313	0.313	U	0.874	0.313	0.313	U	0.874	0.313	0.313		
Vinyl chloride	14000		1800	ug/m3	0.16	U	0.511	0.16	0.16	U	0.511	0.16	0.16	U	0.511	0.16	0.16		
Xylenes, Total	440000		56000	ug/m3	107		0.869	0.197	14.1		0.869	0.197	27.9		0.869	0.197	2.55		

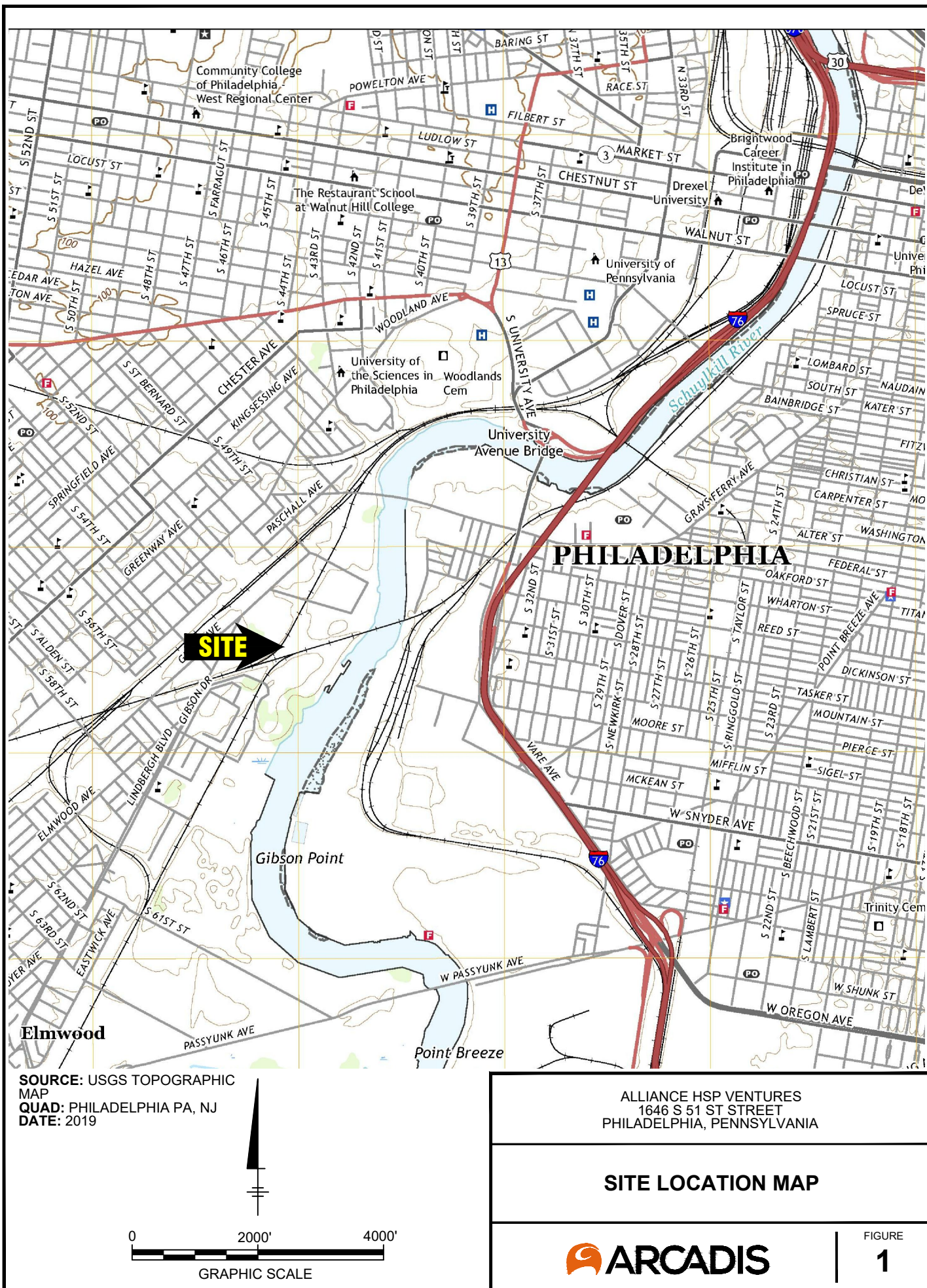
Notes:
ug/m3 - micrograms per cubic meter
Conc - Concentration; Q - Qualifier; RL - Reporting Limit; MDL - Minimum Detection Limit
Reporting limits in *italics* indicate the laboratory reporting limit for this compound is greater than the screening value.
U - Compound was undetctted at the listed laboratory reporting limit
J - The compound was detected; however, the concentration is estimated.
NS - PA Vapor Instrusion Screening Value has not been established for this compound
Bold and highlighted concentrations exceeds the Non Residential PA Vapor Intrusion Screening Value
SG-5, SG-6, & SG-7 samples have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

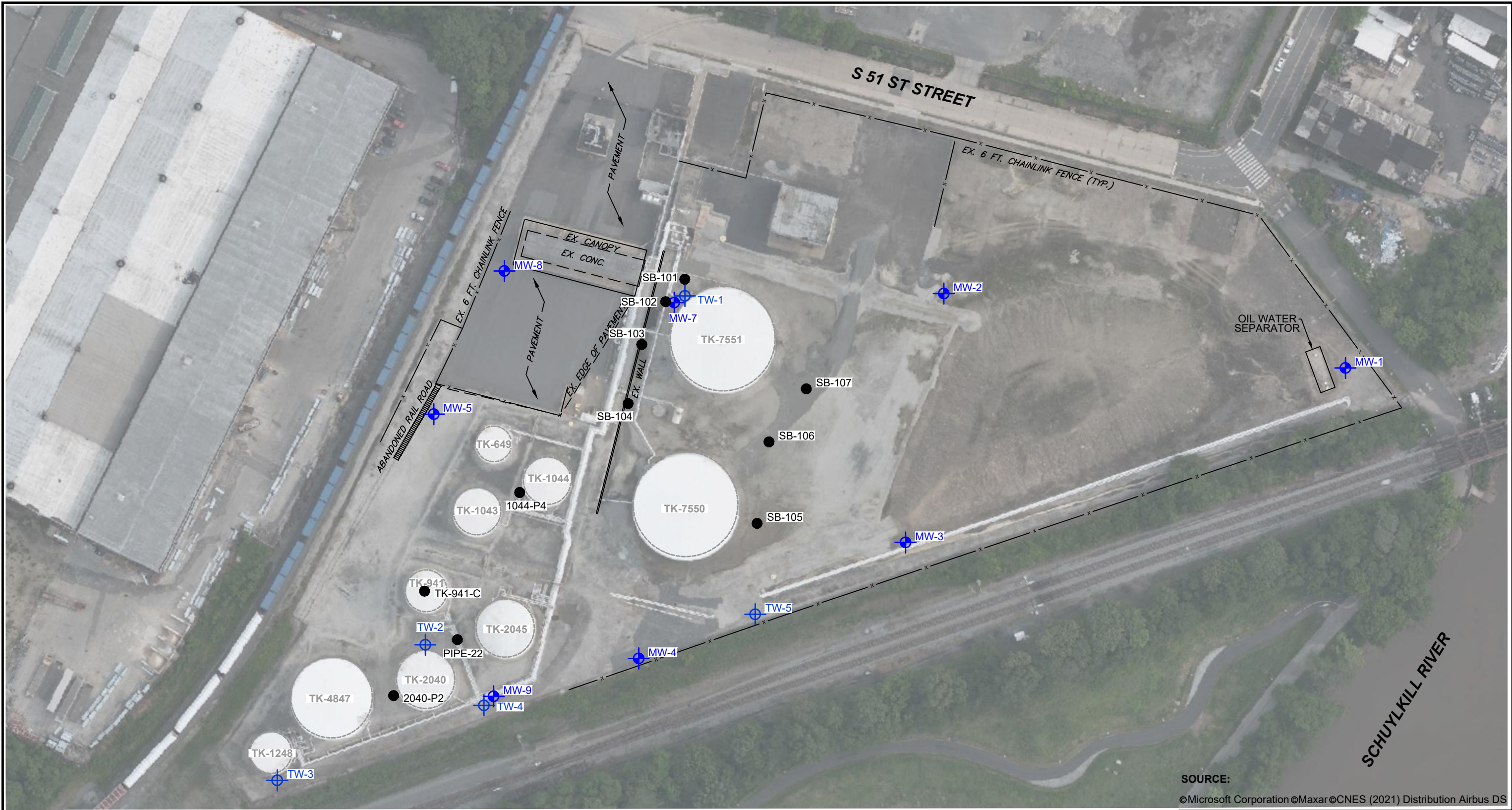
Table 14
Summary of Soil Gas Sampling Results
Alliance 51st Street LLC
1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID:	Pennsylvania Nonresidential Near-Source Soil Gas Statewide Health Standard Vapor Intrusion Screening Values Criteria	Pennsylvania Nonresidential Sub-Slab Soil Gas Statewide Health Standard Vapor Intrusion Screening Values Criteria	Units	SG-5				SG-6				SG-7			
LAB ID:				L2227668-05				L2227668-06				L2227668-07			
COLLECTION DATE:				5/25/2022				5/25/2022				5/25/2022			
SAMPLE DEPTH:				9FT				9FT				9FT			
SAMPLE MATRIX:				SOIL_VAPOR				SOIL_VAPOR				SOIL_VAPOR			
ANALYTE				Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS IN AIR															
1,1,1-Trichloroethane	22000000	2800000	ug/m3	3420	U	13600	3420	24.9	U	99.3	24.9	171	U	682	171
1,1,2,2-Tetrachloroethane	2100	270	ug/m3	5270	U	17200	5270	38.5	U	125	38.5	264	U	858	264
1,1,2-Trichloroethane	880	110	ug/m3	4570	U	13600	4570	33.3	U	99.3	33.3	229	U	682	229
1,1-Dichloroethane	77000	9800	ug/m3	3180	U	10100	3180	23.2	U	73.7	23.2	159	U	506	159
1,1-Dichloroethene	880000	110000	ug/m3	3190	U	9910	3190	23.3	U	72.2	23.3	159	U	496	159
1,2,4-Trichlorobenzene	8800	1100	ug/m3	6250	U	18600	6250	45.7	U	135	45.7	313	U	928	313
1,2,4-Trimethylbenzene	260000	34000	ug/m3	2260	U	12300	2260	16.5	U	89.5	16.5	113	U	615	113
1,2-Dibromoethane	200	26	ug/m3	5390	U	19200	5390	39.3	U	140	39.3	270	U	961	270
1,2-Dichlorobenzene	880000	110000	ug/m3	4720	U	15000	4720	34.5	U	109	34.5	236	U	752	236
1,2-Dichloroethane	4700	610	ug/m3	3040	U	10100	3040	22.2	U	73.7	22.2	152	U	506	152
1,2-Dichloropropane	33	4.3	ug/m3	3520	U	11600	3520	25.7	U	84.1	25.7	176	U	578	176
1,3,5-Trimethylbenzene	260000	34000	ug/m3	4150	U	12300	4150	30.3	U	89.5	30.3	207	U	615	207
1,3-Butadiene	4100	520	ug/m3	1850	U	5530	1850	13.5	U	40.3	13.5	92.7	U	277	92.7
1,3-Dichloropropane	NS	NS	ug/m3	6100	U	11600	6100	44.7	U	84.1	44.7	306	U	578	306
1,4-Dichlorobenzene	11000	1400	ug/m3	4780	U	15000	4780	34.9	U	109	34.9	239	U	752	239
1,4-Dioxane	25000	3100	ug/m3	3640	U	9010	3640	26.5	U	65.6	26.5	181	U	450	181
3-Chloropropene	4400	560	ug/m3	2290	U	7830	2290	16.7	U	57	16.7	115	U	391	115
4-Methyl-2-pentanone	13000000	1700000	ug/m3	2160	U	25600	2160	34.1	U	187	15.7	108	U	1280	108
Acetone	140000000	17000000	ug/m3	20500	U	29700	20500	149	U	217	149	1020	U	1480	1020
Acrolein	88	11	ug/m3	1710	U	14300	1710	12.5	U	105	12.5	85.3	U	715	85.3
Acrylonitrile	1800	230	ug/m3	1510	U	13600	1510	11	U	99	11	75.3	U	677	75.3
Benzene	16000	2000	ug/m3	4340	J	7990	1950	14.2	U	58.1	14.2	97.1	U	399	97.1
Benzyl chloride	2500	320	ug/m3	3120	U	12900	3120	22.8	U	94.2	22.8	156	U	647	156
Bromodichloromethane	3300	430	ug/m3	4220	U	16700	4220	30.8	U	122	30.8	211	U	837	211
Bromoform	110000	14000	ug/m3	8280	U	25800	8280	60.5	U	188	60.5	415	U	1290	415
Bromomethane	22000	2800	ug/m3	3750	U	9710	3750	27.4	U	70.7	27.4	188	U	485	188
Carbon disulfide	3100000	390000	ug/m3	2180	U	7790	2180	15.9	U	56.7	15.9	109	U	389	109
Carbon tetrachloride	20000	2600	ug/m3	3930	U	15700	3930	28.6	U	114	28.6	196	U	786	196
Chlorobenzene	220000	28000	ug/m3	3590	U	11500	3590	26.2	U	83.8	26.2	180	U	576	180
Chloroethane	44000000	5600000	ug/m3	2670	U	6600	2670	19.4	U	48	19.4	133	U	330	133
Chloroform	5300	680	ug/m3	3860	U	12200	3860	28.2	U	88.9	28.2	193	U	610	193
Chloromethane	68000	8700	ug/m3	1780	U	5160	1780	13	U	37.6	13	89	U	258	89
Cyclohexane	26000000	3400000	ug/m3	1220000		8610	1580	236		62.6	11.6	26100		430	79.2
Dibromochloromethane	4500	580	ug/m3	6540	U	21300	6540	47.7	U	155	47.7	327	U	1060	327
Dichlorodifluoromethane	440000	56000	ug/m3	3600	U	12400	3600	26.3	U	90	26.3	180	U	618	180
Ethylbenzene	49000	6300	ug/m3	2350	U	10900	2350	17.1	U	79.1	17.1	117	U	543	117
Freon-113	22000000	2800000	ug/m3	6280	U	19200	6280	45.8	U	139	45.8	314	U	958	314
Isopropanol	880000	110000	ug/m3	14700	U	15400	14700	107	U	112	107	735	U	767	735
Isopropylbenzene	1800000	220000	ug/m3	3020	U	12300	3020	22	U	89.5	22	151	U	615	151
Methyl Methacrylate	3100000	390000	ug/m3	3570	U	25600	3570	26	U	187	26	179	U	1280	179
Methyl tert butyl ether	470000	61000	ug/m3	2370	U	9010	2370	17.3	U	65.6	17.3	118	U	451	118
Methylene chloride	2600000	340000	ug/m3	5840	U	21700	5840	42.4	U	158	42.4	291	U	1080	291
n-Hexane	3100000	390000	ug/m3	103000		8810	1600	37	J	64.1	11.7	983		441	80.4
Naphthalene	3600	460	ug/m3	5820	U	13100	5820	42.3	U	95.4	42.3	290	U	655	290
o-Xylene	NS	NS	ug/m3	2460	U	10900	2460	17.9	U	79.1	17.9	123	U	543	123
p/m-Xylene	NS	NS	ug/m3	4950	U	21700	4950	55.2	J	159	36.1	247	U	1090	247
Styrene	4400000	560000	ug/m3	2310	U	10600	2310	16.9	U	77.5	16.9	115	U	532	115
Tetrachloroethene	180000	22000	ug/m3	5550	U	17000	5550	40.6	U	123	40.6	277	U	848	277
Tetrahydrofuran	63000	8100	ug/m3	2090	U	18400	2090	15.3	U	134	15.3	105	U	920	105
Toluene	22000000	2800000	ug/m3	2590	J	9420	2450	120		68.6	17.9	170	J	471	122
trans-1,2-Dichloroethene	260000	34000	ug/m3	3190	U	9910	3190	23.3	U	72.2	23.3	159	U	496	159
Trichloroethene	8800	1100	ug/m3	3390	U	13400	3390	24.8	U	97.8	24.8	170	U	672	170
Trichlorofluoromethane	3100000	390000	ug/m3	4820	U	14000	4820	35.2	U	102	35.2	241	U	702	241
Vinyl bromide	3800	490	ug/m3	3920	U	10900	3920	28.6	U	79.6	28.6	196	U	547	196
Vinyl chloride	14000	1800	ug/m3	2000	U	6390	2000	14.6	U	46.5	14.6	100	U	320	100
Xylenes, Total	440000	56000	ug/m3	2460	U	10900	2460	55.2	J	79.1	17.9	123	U	543	123

Notes:
ug/m3 - micrograms per cubic meter
Conc - Concentration; Q - Qualifier; RL - Reporting Limit; MDL - Minimum Detection Limit
Reporting limits in *italics* indicate the laboratory reporting limit for this compound is greater than the screening value.
U - Compound was undetecttd at the listed laboratory reporting limit
J - The compound was detected; however, the concentration is estimated.
NS - PA Vapor Instrusion Screening Value has not been established for this compound
Bold and highlighted concentrations exceeds the Non Residential PA Vapor Intrusion Screening Value
SG-5, SG-6, & SG-7 samples have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

FIGURES



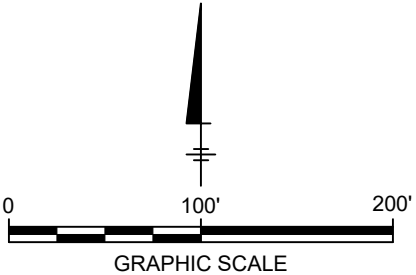


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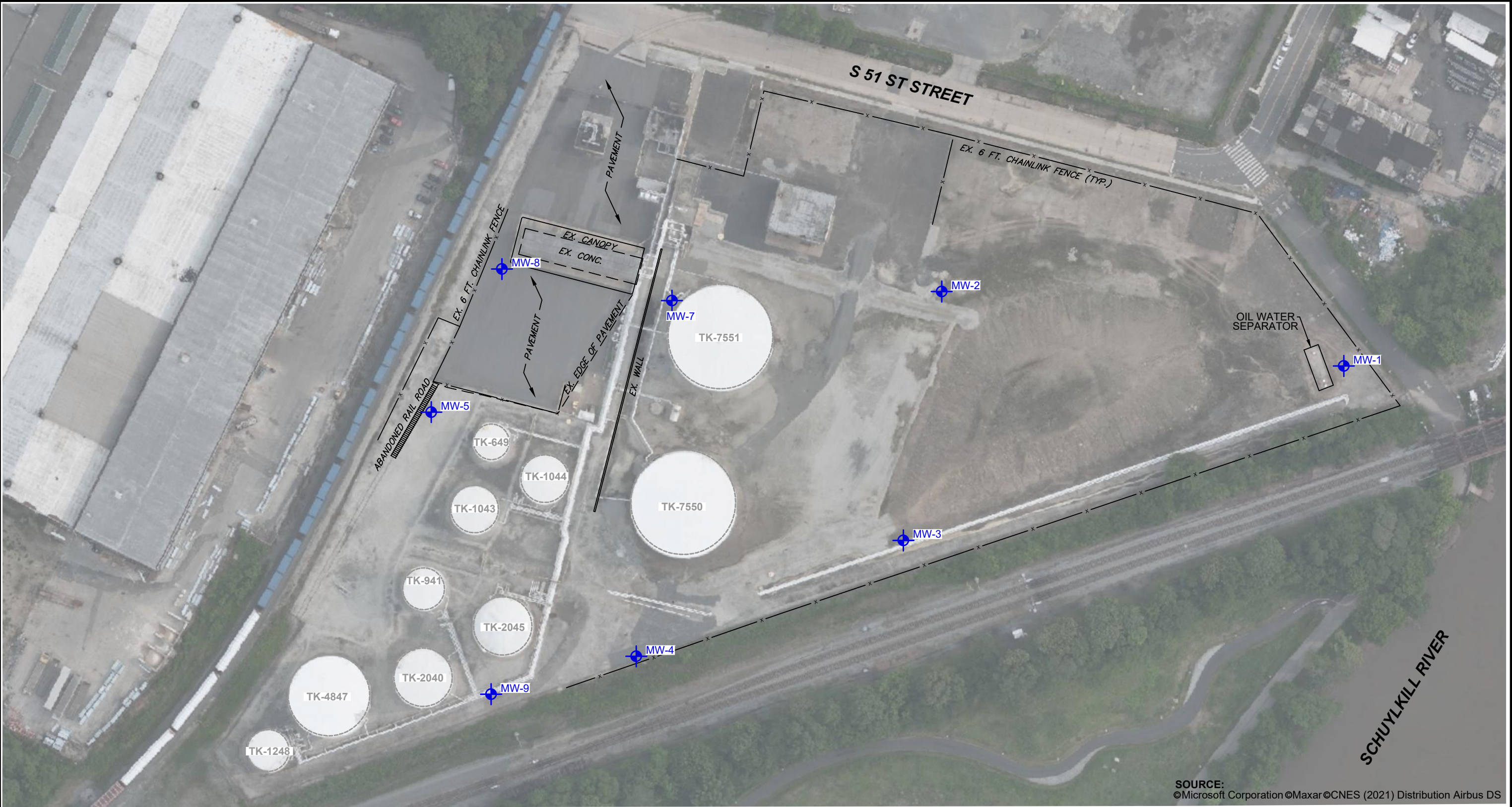
- LEGEND:**
- MONITORING WELL
 - TEMPORARY WELL
 - SOIL BORING

FORMER TANK AND
TANK IDENTIFICATION

- NOTES:**
1. MONITORING WELL LOCATIONS SURVEYED BY DPK ENGINEERING, MONITORING WELL LOCATION MAP, DATED 04/04/2021, ELECTRONIC FILE 22-9519 MW00 2022-04-06.
 2. PLAN DATUM: PENNSYLVANIA STATE PLANE COORDINATES: PA83-SF.





ALLIANCE HSP VENTURES 1646 S 51 ST STREET PHILADELPHIA, PENNSYLVANIA	
SITE PLAN WITH SAMPLING LOCATIONS	
	FIGURE 2

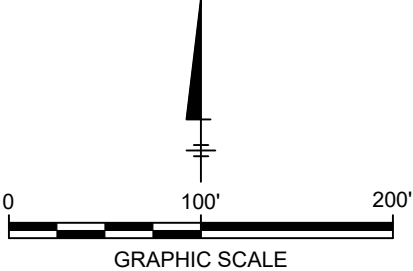


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LEGEND:
 MONITORING WELL

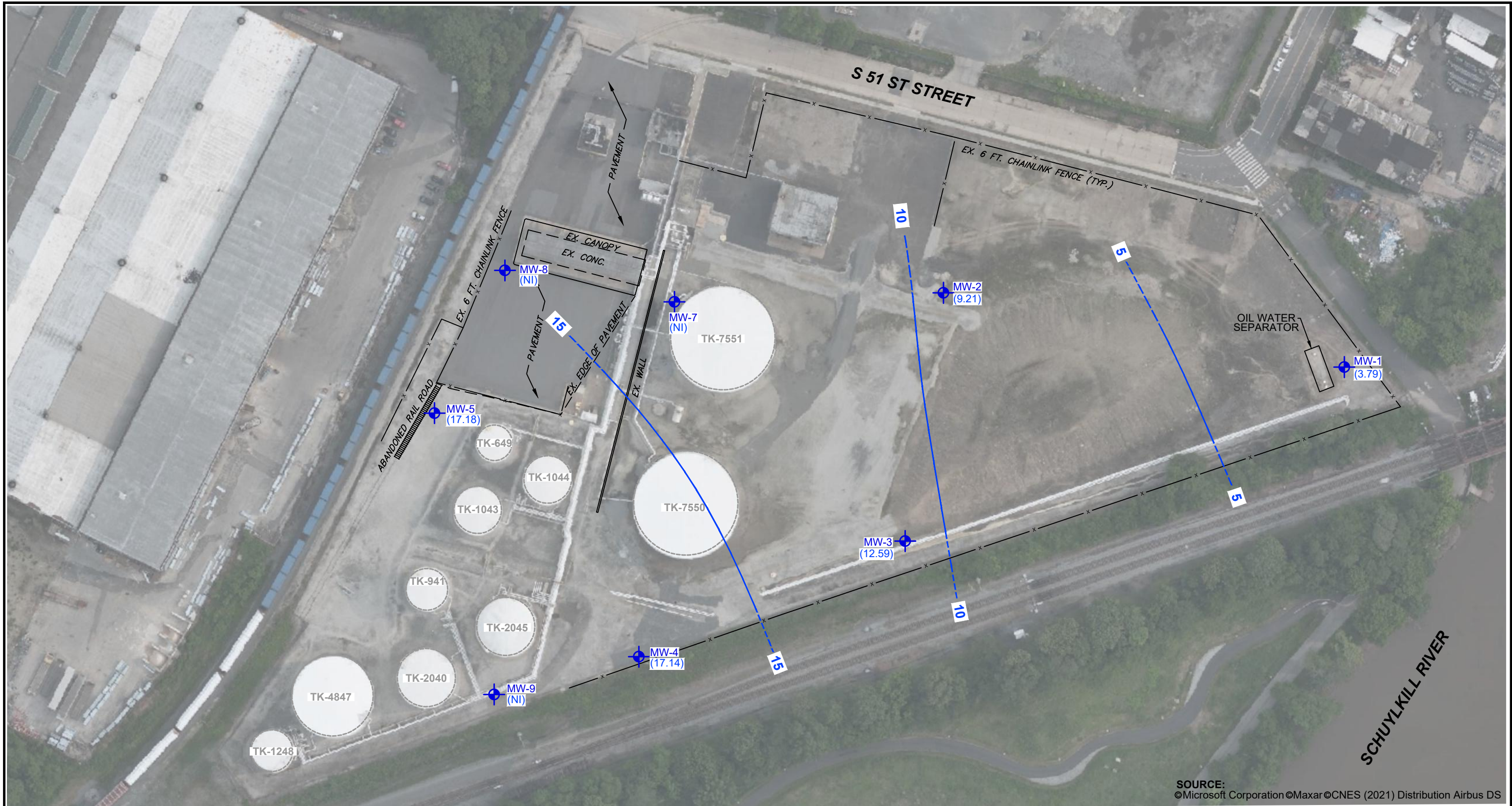
 CHAIN LINK FENCE
 FORMER TANK AND TANK IDENTIFICATION

NOTES:
1. MONITORING WELL LOCATIONS SURVEYED BY DPK ENGINEERING, MONITORING WELL LOCATION MAP, DATED 04/04/2021, ELECTRONIC FILE 22-9519 MW00 2022-04-06.
2. PLAN DATUM: PENNSYLVANIA STATE PLANE COORDINATES: PA83-SF.



ALLIANCE HSP VENTURES 1646 S 51 ST STREET PHILADELPHIA, PENNSYLVANIA	
SITE PLAN WITH MONITORING WELL LOCATIONS	
	FIGURE 3

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ALLIANCE HSP VENTURES
1646 S 51 ST STREET
PHILADELPHIA, PENNSYLVANIA

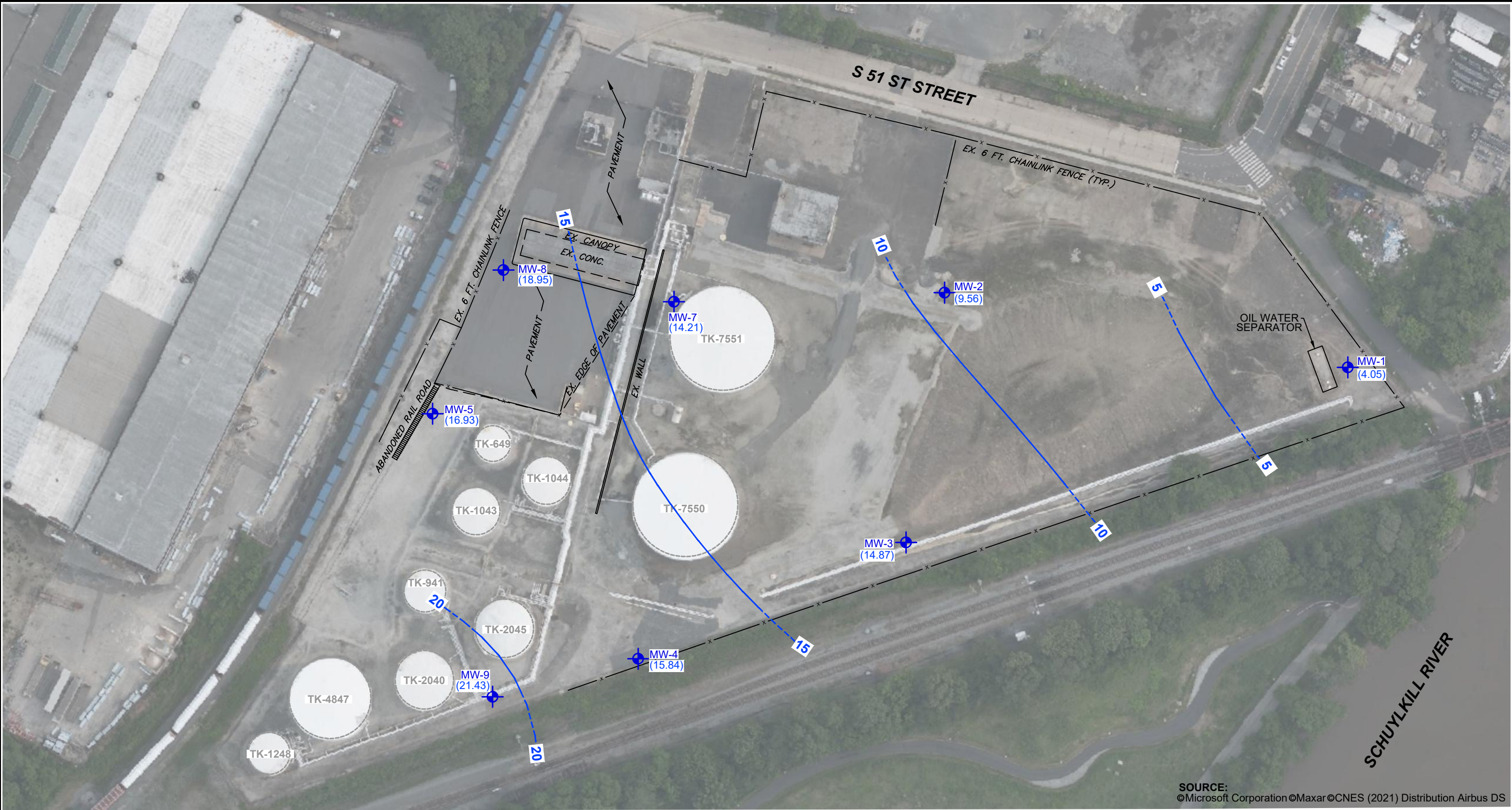
**GROUNDWATER ELEVATION AND
CONTOUR MAP
OCTOBER 2021**



FIGURE

4

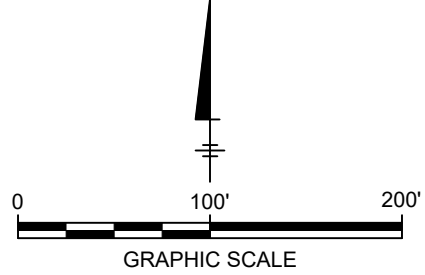
C:\Users\PHillw\ACDdocs\Arcadis\AUS-ALLIANCE HSP VENTURES-1646 S 51ST-PHILADELPHIA Pennsylvania\Project Files\202201-1 in Progress\01-DWG\GEN-2022-F04-GWC-APRIL 2022.dwg LAYOUT: 4 SAVED: 10/20/2022 2:52 PM ACADVER: 24.05 (LMS TECH) PAGES: 1 PLOTTED: 10/20/2022 2:52 PM BY: HALLIWELL, TRISH



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- LEGEND:**
- MONITORING WELL
 - (21.43) GROUNDWATER ELEVATION
 - GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
 - CHAIN LINK FENCE
 - FORMER TANK AND TANK IDENTIFICATION

- NOTES:**
- MONITORING WELL LOCATIONS SURVEYED BY DPK ENGINEERING, MONITORING WELL LOCATION MAP, DATED 04/04/2021, ELECTRONIC FILE 22-9519 MW00 2022-04-06.
 - PLAN DATUM: PENNSYLVANIA STATE PLANE COORDINATES: PA83-SF.

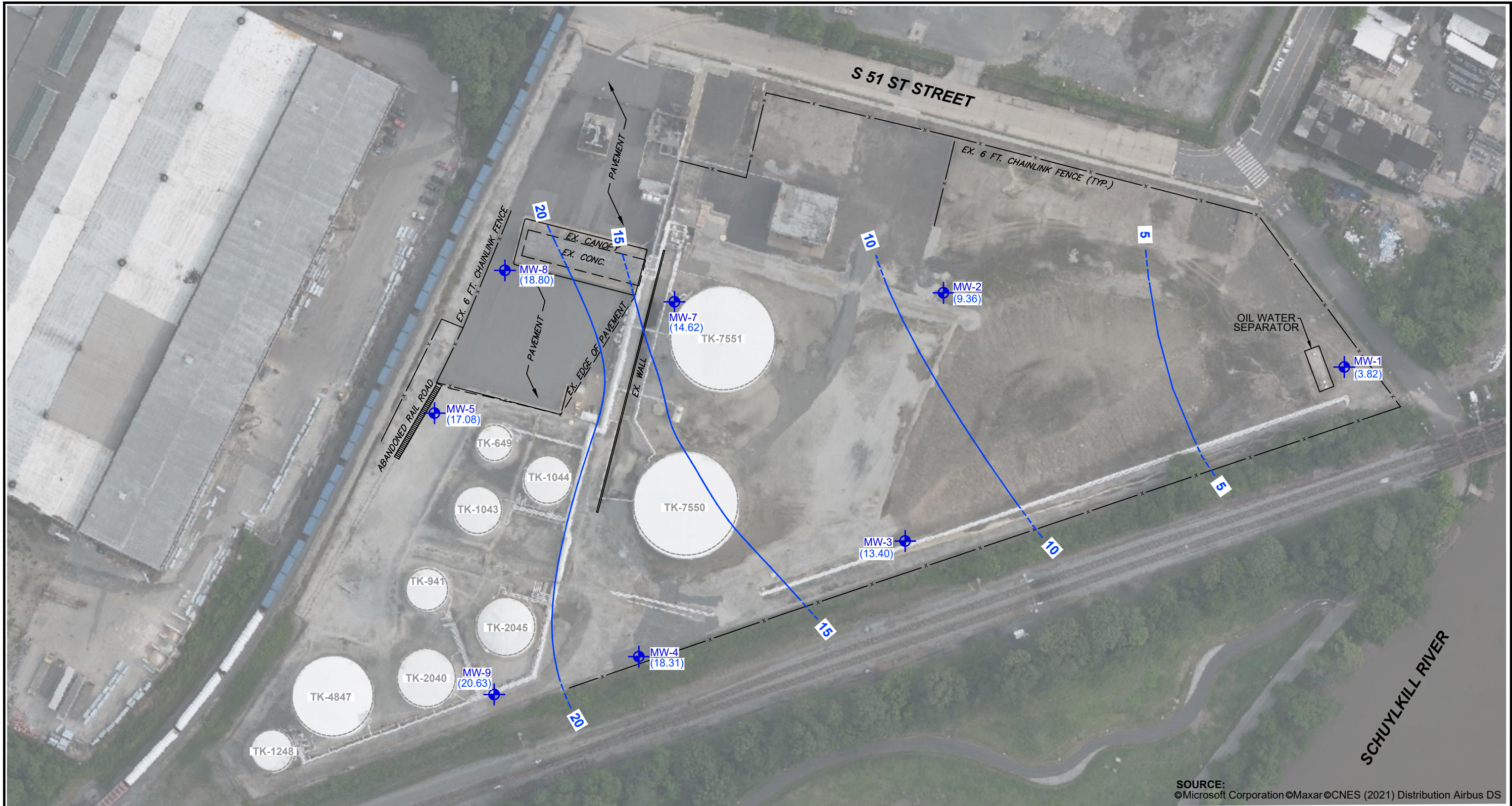


ALLIANCE HSP VENTURES
1646 S 51 ST STREET
PHILADELPHIA, PENNSYLVANIA

**GROUNDWATER ELEVATION AND
CONTOUR MAP
APRIL 2022**

ARCADIS

FIGURE
5



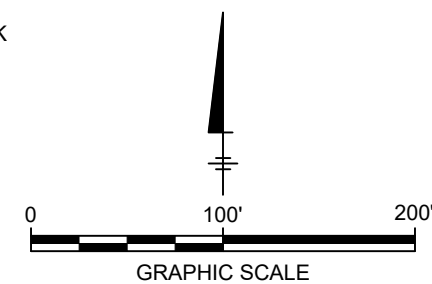
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ALLIANCE HSP VENTURES
1646 S 51 ST STREET
PHILADELPHIA, PENNSYLVANIA

GROUNDWATER ELEVATION AND CONTOUR MAP JULY 2022

ARCADIS

FIGURE
6



APPENDIX A

TABLES AND FIGURES FROM DECEMBER 15, 2021 AST CLOSURE REPORT

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR	PADEP NR	PADEP NR	649-P1	649-P2	649-P3	649-P4	649-P5	649-Center	941-P1	941-P2 / DUP-2		941-P3	941-P4	941-P5	941-Center	1043-P1
	DC MSC	DC MSC	S to G MSC	8/11/2021	8/12/2021	8/11/2021	8/12/2021	8/13/2021	9/16/2021	8/10/2021	8/10/2021	8/10/2021	8/10/2021	8/10/2021	8/10/2021	9/23/2021	8/5/2021
	0-2'	2-15'		3.0	3.0	3.0	3.0	3.0	5.0	3.0	2.0		3.0	3.0	3.0	5.0	3.0
				410-51060-9	410-51060-10	410-51060-8	410-51060-11	410-51318-5	410-55731-2	410-50879-4	410-50672-11	410-50672-9	410-50879-1	410-50879-2	410-50879-3	410-56522-4	410-50281-30
Ethylbenzene	880	1,000	70	ND (0.00082)	ND (0.00064)	ND (0.00066)	ND (0.00061)	ND (0.037)	ND (0.043)	ND (0.00031)	ND (0.00093)	ND (0.00077)	0.00081 J	ND (0.045)	ND (0.00076)	ND (0.00090)	ND (0.00066)
1,2-Dichloroethane	85	98	0.5	0.0014 J	0.0015 J	ND (0.00099)	0.0023 J	ND (0.055)	ND (0.064)	ND (0.00046)	0.0027 J	0.0020 J	0.0039 J	ND (0.067)	0.0065 J	ND (0.0013)	ND (0.00098)
1,3,5-Trimethylbenzene	4,700	5,400	93	ND (0.0010)	ND (0.00080)	ND (0.00083)	0.0011 J	ND (0.046)	ND (0.150)	ND (0.00038)	0.0032 J	0.0014 J	0.0022 J	ND (0.056)	0.0013 J	ND (0.0011)	ND (0.00082)
Toluene	10,000	10,000	100	0.0082 J	0.0031 J	ND (0.00099)	0.019	ND (0.055)	ND (0.064)	ND (0.00046)	0.040	0.018	0.037	ND (0.067)	0.030	ND (0.0013)	ND (0.00098)
Xylenes, Total	7,900	9,100	1,000	0.0096 J	ND (0.0023)	ND (0.0023)	0.011 J	ND (0.130)	ND (0.150)	ND (0.0011)	0.021 J	0.0092 J	0.014 J	ND (0.160)	0.0085 J	ND (0.0031)	ND (0.0023)
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.0010)	ND (0.00080)	ND (0.00083)	ND (0.00076)	ND (0.046)	ND (0.054)	ND (0.00038)	ND (0.0012)	ND (0.00096)	ND (0.00094)	ND (0.056)	ND (0.00095)	ND (0.0011)	ND (0.00082)
Benzene	280	330	0.5	0.0075 J	0.0030 J	ND (0.00083)	0.013	ND (0.046)	ND (0.054)	ND (0.00038)	0.028	0.017	0.046	ND (0.056)	0.038	ND (0.0011)	0.0016 J
Napthalene	66	77	25	ND (0.0041)	ND (0.0032)	ND (0.0033)	ND (0.0030)	ND (0.180)	ND (0.210)	ND (0.0015)	ND (0.0047)	ND (0.0038)	ND (0.0038)	ND (0.220)	ND (0.0038)	ND (0.0045)	ND (0.0033)
1,2,4-Trimethylbenzene	4,700	5,400	300	0.0011 J	ND (0.00080)	ND (0.00083)	0.0018 J	ND (0.046)	ND (0.054)	ND (0.00038)	0.0058 J	0.0022 J	0.0019 J	ND (0.056)	0.0014 J	ND (0.0011)	ND (0.00082)
Isopropylbenzene	10,000	10,000	2,500	ND (0.00082)	ND (0.00064)	ND (0.00066)	ND (0.00061)	ND (0.037)	ND (0.043)	ND (0.00031)	ND (0.00093)	ND (0.00077)	ND (0.00075)	ND (0.045)	ND (0.00076)	ND (0.00090)	ND (0.00066)
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.00082)	ND (0.00064)	ND (0.00066)	ND (0.00061)	ND (0.037)	ND (0.043)	ND (0.00031)	ND (0.00093)	ND (0.00077)	ND (0.00075)	ND (0.045)	ND (0.00076)	ND (0.00090)	ND (0.00066)
Anthracene	190,000	190,000	350	ND (0.0052)	0.042	0.086	0.011 J	ND (0.0042)	0.037	ND (0.0039)	0.037	0.023	ND (0.0044)	ND (0.0041)	ND (0.0042)	45	0.066
Benzo(a)anthracene	130	190,000	340	0.020 J	0.83	0.24	0.024	0.010 J	0.092	0.0046 J	0.081	0.052	0.0047 J	0.0059 J	0.0066 J	49	0.210
Benzo(a)pyrene	91	190,000	46	0.025 J	0.92	0.19	0.028	0.011 J	0.083	0.0040 J	0.120	0.075	ND (0.0044)	0.0064 J	0.0068 J	35	0.160
Benzo(b)fluoranthene	76	190,000	170	0.035	1.1	0.22	0.05	0.020 J	0.098	0.0053 J	0.170	0.100	0.0064 J	0.0095 J	0.011 J	38	0.190
Benzo(g,h,i)perylene	190,000	190,000	180	0.032	0.6	0.13	0.031	0.015 J	0.048	ND (0.0039)	0.130	0.087	ND (0.0044)	0.0075 J	0.0093 J	17	0.110
Chrysene	760	190,000	230	0.027	0.78	0.23	0.04	0.015 J	0.098	0.0048 J	0.100	0.063	0.0085 J	0.012 J	0.016 J	41	0.200
Fluorene	130,000	190,000	3,800	ND (0.0052)	0.0065 J	0.024	ND (0.0044)	ND (0.0042)	0.015 J	ND (0.0039)	0.0074 J	ND (0.0046)	ND (0.0044)	ND (0.0041)	ND (0.0042)	24	0.028
Phenanthrene	190,000	190,000	10,000	0.031	0.075	0.36	0.041	0.017 J	0.15	ND (0.0047)	0.054	0.047	0.027	0.023	0.023	150	0.280
Pyrene	96,000	190,000	2,200	0.031	1.3	0.46	0.042	0.016 J	0.18	ND (0.0039)	0.097	0.065	0.012	0.0087 J	0.012 J	89	0.350
Lead	1,000	190,000	450	83	46	230	25	270	230	7.9	130	78	610	270	37	560	87

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All concentrations in micrograms per kilogram
J - Value estimated by the laboratory
ND - analyte not detected at laboratory method detection limit indicated
Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	1043-P2 8/5/2021 3.0 410-50151-9	1043-P3 / DUP-2 8/5/2021 3.0 410-50151-6		1043-P4 8/5/2021 3.0 410-50281-29	1043-P5 8/5/2021 3.0 410-50281-28	1043-Center 9/16/2021 5.0 410-55731-3	1044-P1 8/12/2021 3.0 410-51318-3	1044-P2 8/13/2021 3.0 410-51318-6	1044-P3 8/12/2021 3.0 410-51318-4	1044-P4 8/5/2021 3.0 410-50281-12	1044-P5 8/11/2021 3.0 410-51060-7	1044-Center 9/16/2021 5.0 410-55731-1	1248-P1 8/4/2021 3.0 410-50151-18	1248-P2 8/4/2021 3.0 410-50151-15
Ethylbenzene	880	1,000	70	ND (0.00058)	ND (0.00062)	ND (0.00062)	ND (0.00070)	ND (0.00076)	ND (0.038)	ND (0.036)	ND (0.00057)	ND (0.00060)	ND (0.00054)	ND (0.00080)	ND (0.039)	ND (0.00046)	ND (0.00044)
1,2-Dichloroethane	85	98	0.5	ND (0.00088)	ND (0.00093)	ND (0.00093)	ND (0.001)	ND (0.0011)	ND (0.057)	ND (0.053)	ND (0.00085)	ND (0.00090)	ND (0.00080)	ND (0.0012)	ND (0.059)	ND (0.00069)	ND (0.00066)
1,3,5-Trimethylbenzene	4,700	5,400	93	ND (0.00073)	ND (0.00078)	ND (0.00077)	ND (0.00087)	ND (0.00095)	ND (0.047)	ND (0.045)	ND (0.00071)	ND (0.00075)	ND (0.00067)	ND (0.0010)	ND (0.049)	ND (0.00058)	ND (0.00055)
Toluene	10,000	10,000	100	0.00094 J	ND (0.00093)	ND (0.00093)	ND (0.001)	ND (0.0011)	ND (0.057)	ND (0.053)	0.0015 J	ND (0.00090)	ND (0.00080)	ND (0.0012)	ND (0.059)	ND (0.00069)	ND (0.00066)
Xylenes, Total	7,900	9,100	1,000	ND (0.002)	ND (0.0022)	ND (0.0022)	ND (0.0024)	ND (0.0027)	ND (0.130)	ND (0.120)	ND (0.0020)	ND (0.0021)	ND (0.0019)	ND (0.0028)	ND (0.140)	ND (0.0016)	ND (0.0015)
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.00073)	ND (0.00078)	ND (0.00077)	ND (0.00087)	ND (0.00095)	ND (0.047)	ND (0.045)	ND (0.00071)	ND (0.00075)	ND (0.00067)	ND (0.0010)	ND (0.049)	ND (0.00058)	ND (0.00055)
Benzene	280	330	0.5	0.0019 J	ND (0.00078)	ND (0.00077)	0.0026 J	0.0013 J	ND (0.047)	ND (0.045)	0.0036 J	ND (0.00075)	0.0013 J	ND (0.0010)	ND (0.049)	ND (0.00058)	ND (0.00055)
Napthalene	66	77	25	ND (0.0029)	ND (0.0031)	ND (0.0031)	ND (0.0035)	ND (0.0038)	ND (0.190)	ND (0.180)	ND (0.0028)	ND (0.0030)	ND (0.0027)	ND (0.0040)	0.55	ND (0.0023)	ND (0.0022)
1,2,4-Trimethylbenzene	4,700	5,400	300	ND (0.00073)	ND (0.00078)	ND (0.00077)	ND (0.00087)	ND (0.00095)	ND (0.047)	ND 90.045)	ND (0.00071)	ND (0.00075)	ND (0.00067)	ND (0.0010)	ND (0.049)	ND (0.00058)	ND (0.00055)
Isopropylbenzene	10,000	10,000	2,500	ND (0.00058)	ND (0.00062)	ND (0.00062)	ND (0.00070)	ND (0.00076)	ND (0.038)	ND (0.036)	ND (0.00057)	ND (0.00060)	ND (0.00054)	ND (0.00080)	ND (0.039)	ND (0.00046)	ND (0.00044)
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.00058)	ND (0.00062)	ND (0.00062)	ND (0.00070)	ND (0.00076)	ND (0.038)	ND (0.036)	ND (0.00057)	ND (0.00060)	ND (0.00054)	ND (0.00080)	ND (0.039)	ND (0.00046)	ND (0.00044)
Anthracene	190,000	190,000	350	0.038	ND (0.0042)	ND (0.0042)	0.420	0.110	ND (0.0041)	0.0095 J	0.028	0.05	0.064	0.039	0.014 J	ND (0.0039)	ND (0.0036)
Benzo(a)anthracene	130	190,000	340	0.026	ND (0.0042)	ND (0.0042)	3.10	0.290	ND (0.0041)	0.018 J	0.18	0.18	0.120	0.017 J	0.075	ND (0.0039)	ND (0.0036)
Benzo(a)pyrene	91	190,000	46	0.031	ND (0.0042)	ND (0.0042)	2.70	0.200	ND (0.0041)	0.018 J	0.2	0.2	0.095	0.024	0.13	ND (0.0039)	ND (0.0036)
Benzo(b)fluoranthene	76	190,000	170	0.049	0.0056 J	0.0049 J	2.80	0.300	0.0042 J	0.025	0.23	0.33	0.120	0.033	0.16	ND (0.0039)	ND (0.0036)
Benzo(g,h,i)perylene	190,000	190,000	180	0.032	ND (0.0042)	ND (0.0042)	1.70	0.150	ND (0.0041)	0.017 J	0.16	0.22	0.077	0.022 J	0.098	ND (0.0039)	ND (0.0036)
Chrysene	760	190,000	230	0.039	0.0076 J	ND (0.0042)	2.60	0.280	ND (0.0041)	0.020 J	0.18	0.25	0.120	0.028	0.097	ND (0.0039)	ND (0.0036)
Fluorene	130,000	190,000	3,800	0.0077 J	ND (0.0042)	ND (0.0042)	0.054	0.043	ND (0.0041)	ND (0.0042)	0.0085 J	ND (0.0050)	0.370	ND (0.0048)	ND (0.0048)	ND (0.0039)	ND (0.0036)
Phenanthrene	190,000	190,000	10,000	0.100	0.062	ND (0.0042)	0.820	0.470	0.1	0.028	0.11	0.16	0.099	0.036	0.075	ND (0.0047)	ND (0.0043)
Pyrene	96,000	190,000	2,200	0.056	0.0084 J	ND (0.0042)	4.10	0.470	ND (0.0041)	0.025	0.2	0.32	0.150	0.034	0.079	ND (0.0039)	ND (0.0036)
Lead	1,000	190,000	450	490	9.7	120	880	560	23	90	380	810	2100	120	990	17	13

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ND - analyte not detected at laboratory method detection limit indicated
Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	DUP-1 8/4/2021	1248-P3 8/4/2021	1248-P4 8/4/2021	1248-P5 8/4/2021	1248-Center 9/16/2021	DUP-8 9/16/2021	2040-P1 8/11/2021	2040-P2 8/11/2011	2040-P3 8/11/2011	2040-P4 8/11/2011	2040-P5 8/11/2011	2040-Center 9/23/2021	2045-P1 8/10/2021	2045-P2 8/13/2021
				410-50151-16	410-50151-14	410-50151-13	410-50151-11	410-55731-4	410-55731-5	410-50879-23	410-50879-16	410-50879-17	410-50879-18	410-50879-19	410-56522-2	410-50879-8	410-51318-7
Ethylbenzene	880	1,000	70	ND (0.00047)	ND (0.00046)	ND (0.00049)	ND (0.00023)	ND (0.030)	ND (0.031)	ND (0.00068)	ND (0.00057)	ND (0.00042)	ND (0.00041)	ND (0.00076)	ND (0.00075)	0.00073 J	ND (0.00056)
1,2-Dichloroethane	85	98	0.5	ND (0.00071)	ND (0.00069)	ND (0.00074)	ND (0.00035)	ND (0.045)	ND (0.047)	ND (0.0010)	ND (0.00086)	ND (0.00062)	ND (0.00061)	ND (0.0011)	ND (0.0011)	ND (0.00090)	ND (0.00084)
1,3,5-Trimethylbenzene	4,700	5,400	93	ND (0.00059)	ND (0.00057)	ND (0.00062)	ND (0.00029)	ND (0.037)	ND (0.039)	ND (0.00086)	ND (0.00071)	ND (0.00052)	ND (0.00051)	ND (0.00094)	ND (0.00094)	ND (0.00075)	ND (0.00070)
Toluene	10,000	10,000	100	ND (0.00071)	ND (0.00069)	ND (0.00074)	ND (0.00035)	ND (0.045)	ND (0.047)	ND (0.0010)	0.00095 J	ND (0.00062)	ND (0.00061)	0.0051 J	ND (0.0011)	0.0012 J	0.0033 J
Xylenes, Total	7,900	9,100	1,000	ND (0.0017)	ND (0.0016)	ND (0.0017)	ND (0.00081)	ND (0.100)	ND (0.110)	ND (0.0024)	ND (0.0020)	ND (0.0015)	ND (0.0014)	ND (0.0026)	ND (0.0026)	0.0027 J	ND (0.0020)
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.00059)	ND (0.00057)	ND (0.00062)	ND (0.00029)	ND (0.037)	ND (0.039)	ND (0.00086)	ND (0.00071)	ND (0.00052)	ND (0.00051)	ND (0.00094)	ND (0.00094)	ND (0.00075)	ND (0.00070)
Benzene	280	330	0.5	ND (0.00059)	ND (0.00057)	ND (0.00062)	ND (0.00029)	ND (0.037)	ND (0.039)	ND (0.00086)	0.0013 J	ND (0.00052)	ND (0.00051)	0.0045 J	ND (0.00094)	0.011	0.0014 J
Napthalene	66	77	25	ND (0.0024)	ND (0.0023)	ND (0.0025)	ND (0.120)	ND (0.150)	ND (0.160)	ND (0.0034)	ND (0.0029)	ND (0.0021)	ND (0.0020)	ND (0.0038)	ND (0.0038)	ND (0.0030)	ND (0.0028)
1,2,4-Trimethylbenzene	4,700	5,400	300	ND (0.00059)	ND (0.00057)	ND (0.0062)	ND (0.029)	ND (0.037)	ND (0.039)	ND (0.00086)	ND (0.00071)	ND (0.00052)	ND (0.00051)	ND (0.00094)	ND (0.00094)	ND (0.00075)	0.0012 J
Isopropylbenzene	10,000	10,000	2,500	ND (0.00047)	ND (0.00046)	ND (0.00049)	ND (0.023)	ND (0.030)	ND (0.031)	ND (0.00068)	ND (0.00057)	ND (0.00042)	ND (0.00041)	ND (0.00076)	ND (0.00075)	ND (000060)	ND (0.00056)
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.00047)	ND (0.00046)	ND (0.00049)	ND (0.023)	ND (0.030)	ND (0.031)	ND (0.00068)	ND (0.00057)	ND (0.00042)	ND (0.00041)	ND (0.00076)	ND (0.00075)	ND (0.00060)	ND (0.00056)
Anthracene	190,000	190,000	350	ND (0.0038)	ND (0.0039)	ND (0.0038)	ND (0.0037)	ND (0.0045)	ND (0.0047)	0.011 J	ND (0.0046)	0.014 J	0.0047 J	0.022	ND (0.0051)	0.018 J	0.0087 J
Benzo(a)anthracene	130	190,000	340	ND (0.0038)	ND (0.0039)	ND (0.0038)	ND (0.0037)	ND (0.0045)	ND (0.0047)	0.0058 J	0.0071 J	0.040	0.016 J	0.026	0.017 J	ND (0.0045)	0.0085 J
Benzo(a)pyrene	91	190,000	46	ND (0.0038)	ND (0.0039)	ND (0.0038)	ND (0.0037)	ND (0.0045)	ND (0.0047)	0.0056 J	0.0086 J	0.033	0.016 J	0.016 J	0.017 J	0.0045 J	0.013 J
Benzo(b)fluoranthene	76	190,000	170	ND (0.0038)	ND (0.0039)	ND (0.0038)	ND (0.0037)	ND (0.0045)	ND (0.0047)	0.0079 J	0.0089 J	0.049	0.022	0.036	0.018 J	0.0053 J	0.021 J
Benzo(g,h,i)perylene	190,000	190,000	180	ND (0.0038)	ND (0.0039)	ND (0.0038)	ND (0.0037)	ND (0.0045)	ND (0.0047)	0.0083 J	0.0085 J	0.028	0.016 J	0.019 J	0.0086 J	0.0089 J	0.013 J
Chrysene	760	190,000	230	ND (0.0038)	ND (0.0039)	ND (0.0038)	ND (0.0037)	ND (0.0045)	ND (0.0047)	0.0075 J	0.0081 J	0.046	0.027	0.120	35	0.0053 J	0.019 J
Fluorene	130,000	190,000	3,800	ND (0.0038)	ND (0.0039)	ND (0.0038)	ND (0.0037)	ND (0.0045)	ND (0.0047)	ND (0.0047)	ND (0.0046)	0.0062 J	ND (0.0039)	0.016 J	ND (0.0051)	ND (0.0045)	0.03
Phenanthrene	190,000	190,000	10,000	ND (0.0045)	ND (0.0047)	ND (0.0046)	ND (0.0045)	ND (0.0055)	ND (0.0056)	0.026	0.0060 J	0.066	0.055	0.120	0.017 J	0.023	0.064
Pyrene	96,000	190,000	2,200	ND (0.0038)	ND (0.0039)	ND (0.0038)	ND (0.0037)	ND (0.0045)	ND (0.0047)	0.0079 J	ND (0.0046)	0.070	0.022	0.041	0.022 J	ND (0.0045)	0.03
Lead	1,000	190,000	450	15	12	17	9.1	19	16	250	1,200	13	40	21	24	100	29

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ND - analyte not detected at laboratory method detection limit indicated
Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	2045-P3 8/10/2021 3.0 410-50879-7	2045-P4 8/13/2021 3.0 410-51318-8	2045-P5 8/13/2021 3.0 410-51318-9	2045-Center 9/23/2021 5.0 410-56522-3	4847-P1 8/5/2021 3.0 410-50151-4	4847-P2 8/5/2021 3.0 410-50151-3	4847-P3 8/5/2021 3.0 410-50151-5	4847-P4 8/11/2021 3.0 410-50879-22	4847-P5 9/23/2021 3.0 410-56522-1	4847-P6 8/5/2021 3.0 410-50151-1	4847-Center 9/16/2021 5.0 410-55731-7	4847-East 9/16/2021 5.0 410-55731-6	4847-West 9/16/2021 5.0 410-55731-8	7550-P1 9/23/2021 3.0 410-56522-7
Ethylbenzene	880	1,000	70	ND (0.00082)	0.066 J	0.67	ND (0.00065)	ND (0.00045)	ND (0.00041)	ND (0.00039)	ND (0.00041)	ND (0.00067)	ND (0.00052)	ND (0.027)	ND (0.00040)	ND (0.00051)	0.0052 J
1,2-Dichloroethane	85	98	0.5	ND (0.0012)	ND (0.082)	ND (0.071)	ND (0.00098)	ND (0.00068)	ND (0.00061)	ND (0.00059)	ND (0.00062)	ND (0.0010)	ND (0.00077)	ND (0.040)	ND (0.00059)	ND (0.00076)	ND (0.0011)
1,3,5-Trimethylbenzene	4,700	5,400	93	ND (0.0010)	0.230 J	15	ND (0.00082)	ND (0.00057)	ND (0.00051)	ND (0.00049)	ND (0.00052)	ND (0.00084)	ND (0.00064)	ND (0.033)	ND (0.00050)	ND (0.00064)	0.23
Toluene	10,000	10,000	100	0.0020 J	ND (0.082)	ND (0.071)	ND (0.00098)	ND (0.00068)	ND (0.00061)	ND (0.00059)	ND (0.00062)	ND (0.0010)	ND (0.00077)	ND (0.040)	ND (0.00059)	ND (0.00076)	0.012
Xylenes, Total	7,900	9,100	1,000	ND (0.0029)	0.370 J	6.8	ND (0.0023)	ND (0.0016)	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0024)	ND (0.0018)	ND (0.093)	ND (0.0014)	ND (0.0018)	0.099
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.0010)	ND (0.069)	ND (0.059)	ND (0.00082)	ND (0.00057)	ND (0.00051)	ND (0.00049)	ND (0.00052)	ND (0.00084)	ND (0.00064)	ND (0.033)	ND (0.00050)	ND (0.00064)	ND (0.00092)
Benzene	280	330	0.5	0.0075 J	ND (0.069)	ND (0.059)	ND (0.00082)	ND (0.00057)	ND (0.00051)	ND (0.00049)	ND (0.00052)	ND (0.00084)	ND (0.00064)	ND (0.033)	ND (0.00050)	ND (0.00064)	0.0029 J
Napthalene	66	77	25	ND (0.0041)	ND (0.270)	13	ND (0.0033)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0021)	ND (0.0034)	ND (0.0026)	ND (0.130)	ND (0.0020)	ND (0.0025)	0.054
1,2,4-Trimethylbenzene	4,700	5,400	300	ND (0.0010)	0.520 J	1.5	ND (0.00082)	ND (0.00057)	ND (0.00051)	ND (0.00049)	ND (0.00052)	ND (0.00084)	ND (0.00064)	ND (0.033)	ND (0.00050)	ND (0.00064)	0.35
Isopropylbenzene	10,000	10,000	2,500	ND (0.00082)	ND (0.055)	ND (0.047)	ND (0.00065)	ND (0.00045)	ND (0.00041)	ND (0.0039)	ND (0.00041)	ND (0.00067)	ND (0.00052)	ND (0.027)	ND (0.00040)	ND (0.00051)	0.0051 J
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.00082)	ND (0.055)	ND (0.047)	ND (0.00065)	ND (0.00045)	ND (0.00041)	ND (0.00039)	ND (0.00041)	ND (0.00067)	ND (0.00052)	ND (0.027)	ND (0.00040)	ND (0.00051)	0.00089 J
Anthracene	190,000	190,000	350	ND (0.0046)	ND (0.0061)	ND (0.0057)	ND (0.0049)	ND (0.0037)	ND (0.0041)	ND (0.0037)	ND (0.0044)	ND (0.0048)	ND (0.0045)	ND (0.0039)	ND (0.0039)	ND (0.0037)	0.23
Benzo(a)anthracene	130	190,000	340	0.0056 J	0.0099 J	0.011 J	ND (0.0049)	0.0048 J	0.0058 J	ND (0.0037)	ND (0.0044)	ND (0.0048)	ND (0.0045)	ND (0.0039)	ND (0.0039)	ND (0.0037)	0.97
Benzo(a)pyrene	91	190,000	46	0.0075 J	ND (0.0061)	ND (0.0057)	ND (0.0049)	0.0044 J	0.0061 J	ND (0.0037)	ND (0.0044)	ND (0.0048)	ND (0.0045)	ND (0.0039)	ND (0.0039)	ND (0.0037)	1.2
Benzo(b)fluoranthene	76	190,000	170	0.0057 J	0.0096 J	0.0080 J	ND (0.0049)	0.0054 J	0.0064 J	ND (0.0037)	ND (0.0044)	ND (0.0048)	ND (0.0045)	ND (0.0039)	ND (0.0039)	ND (0.0037)	1.3
Benzo(g,h,i)perylene	190,000	190,000	180	0.0059 J	0.0083 J	ND (0.0057)	ND (0.0049)	ND (0.0037)	ND (0.0041)	ND (0.0037)	ND (0.0044)	ND (0.0048)	ND (0.0045)	ND (0.0039)	ND (0.0039)	ND (0.0037)	0.84
Chrysene	760	190,000	230	0.0093 J	0.033	0.037	ND (0.0049)	0.0046 J	0.0064 J	ND (0.0037)	ND (0.0044)	ND (0.0048)	ND (0.0045)	ND (0.0039)	ND (0.0039)	ND (0.0037)	0.92
Fluorene	130,000	190,000	3,800	ND (0.0046)	ND (0.0061)	0.52	ND (0.0049)	ND (0.0037)	0.0051 J	ND (0.0037)	ND (0.0044)	ND (0.0048)	ND (0.0045)	ND (0.0039)	ND (0.0039)	ND (0.0037)	0.093
Phenanthrene	190,000	190,000	10,000	0.028	ND (0.073)	5	0.0074 J	ND (0.0045)	0.012 J	ND (0.0045)	ND (0.0044)	ND (0.0057)	ND (0.0045)	ND (0.0046)	ND (0.0047)	ND (0.0045)	0.78
Pyrene	96,000	190,000	2,200	ND (0.0046)	0.41	0.47	ND (0.0049)	0.0068 J	0.014 J	ND (0.0037)	0.0051 J	ND (0.0048)	ND (0.0045)	ND (0.0039)	ND (0.0039)	ND (0.0037)	1.2
Lead	1,000	190,000	450	14	75	210	6.7	15	15	8.5	3.6	12	2.9	12	17	18	690

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All concentrations in micrograms per kilogram
J - Value estimated by the laboratory
ND - analyte not detected at laboratory method detection limit indicated
Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	7550-P2 9/23/2021 3.0 410-56522-6	7550-P3 9/23/2021 3.0 410-56522-10	7550-P4 9/23/2021 3.0 410-56522-13	7550-P5 9/23/2021 3.0 410-56522-14	7550-P6 9/23/2021 3.0 410-56522-9	7550-P7 9/23/2021 3.0 410-56522-8	7550-Center 9/23/2021 5.0 410-56522-5	7550-North 9/29/2021 2.5 410-57140-1	7550-South 9/29/2021 2.3 410-57140-2	7550-East 9/29/2021 2.0 410-57140-3	7551-P1 8/6/2021 3.0 410-50281-4	7551-P2 8/6/2021 3.0 410-50281-6	7551-P3 8/6/2021 3.0 410-50281-9	7551-P4 8/6/2021 3.0 410-50503-2
Ethylbenzene	880	1,000	70	ND (0.00056)	ND (0.00050)	ND (0.032)	ND (0.00069)	ND (0.00077)	ND (0.00060)	ND (0.0073)	ND (0.00034)	ND (0.00044)	ND (0.00034)	ND (0.00060)	ND (0.00054)	ND (0.00050)	ND (0.00037)
1,2-Dichloroethane	85	98	0.5	ND (0.00084)	ND (0.00075)	ND (0.048)	ND (0.0010)	ND (0.0012)	ND (0.00090)	ND (0.0073)	ND (0.00051)	ND (0.00066)	ND (0.00052)	ND (0.00090)	ND (0.00082)	ND (0.00075)	ND (0.00055)
1,3,5-Trimethylbenzene	4,700	5,400	93	0.0058 J	ND (0.00082)	0.063 J	0.016	0.0038 J	0.0041 J	0.0023 J	0.00085 J	ND (0.00055)	ND (0.00043)	0.0033 J	ND (0.00068)	0.00071 J	ND (0.00046)
Toluene	10,000	10,000	100	0.0013 J	0.00077 J	0.059 J	0.0017 J	0.0017 J	0.0022 J	ND (0.0073)	ND (0.00051)	ND (0.00066)	ND (0.00052)	0.0019 J	ND (0.00082)	0.00084 J	ND (0.00055)
Xylenes, Total	7,900	9,100	1,000	0.0042 J	ND (0.0017)	0.180 J	0.018	ND (0.0027)	0.0037 J	15	ND (0.0012)	ND (0.0015)	ND (0.0012)	0.0031 J	ND (0.0019)	ND (0.0018)	ND (0.0013)
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.00070)	ND (0.00062)	ND (0.040)	ND (0.00086)	ND (0.00096)	ND (0.00075)	ND (0.0073)	ND (0.00042)	ND (0.00055)	ND (0.00043)	ND (0.00075)	ND (0.00068)	ND (0.00063)	ND (0.00046)
Benzene	280	330	0.5	0.0011 J	0.00074 J	ND (0.040)	0.0025 J	0.00098 J	0.0019 J	ND (0.0073)	ND (0.00042)	ND (0.00055)	ND (0.00043)	0.0011 J	ND (0.00068)	0.00085 J	ND (0.00046)
Napthalene	66	77	25	ND (0.0028)	ND (0.0025)	0.260 J	0.0080 J	0.0062 J	ND (0.0030)	ND (0.0073)	ND (0.0017)	ND (0.0022)	ND (0.0017)	ND (0.003)	ND (0.0027)	ND (0.0025)	ND (0.0018)
1,2,4-Trimethylbenzene	4,700	5,400	300	0.0048 J	ND (0.00062)	0.087 J	0.009	0.0043 J	0.0039 J	0.0018 J	0.0010 J	ND (0.00055)	ND (0.00043)	0.0058 J	ND (0.00068)	0.00077 J	ND (0.00046)
Isopropylbenzene	10,000	10,000	2,500	ND (0.00056)	ND (0.00050)	ND (0.032)	ND (0.00069)	ND (0.00077)	ND (0.00060)	ND (0.0073)	ND (0.00034)	ND (0.00044)	ND (0.00034)	ND (0.00060)	ND (0.00054)	ND (0.0005)	ND (0.00037)
1,2,-Dibromoethane	3.7	4.2	0.005	0.00056	ND (0.00050)	ND (0.032)	ND (0.00069)	ND (0.00077)	ND (0.00060)	ND (0.0073)	ND (0.00034)	ND (0.00044)	ND (0.00034)	ND (0.00060)	ND (0.00054)	ND (0.0005)	ND (0.00037)
Anthracene	190,000	190,000	350	0.4	0.4	3.4	4.6	0.23	0.032	0.084	ND (0.0036)	ND (0.0038)	ND (0.0038)	0.099	2.90	0.065	0.034
Benzo(a)anthracene	130	190,000	340	1.7	1.6	8.9	9.4	0.68	0.11	0.19	ND (0.0036)	0.0038 J	0.0069 J	0.330	4.30	0.220	0.120
Benzo(a)pyrene	91	190,000	46	1.6	1.6	7.3	9.1	0.48	0.12	0.2	ND (0.0036)	0.0057 J	0.0088 J	0.260	3.20	0.200	0.110
Benzo(b)fluoranthene	76	190,000	170	2.1	2	9.7	12	0.68	0.14	0.24	ND (0.0036)	0.0063 J	0.0010 J	0.370	3.50	0.230	0.120
Benzo(g,h,i)perylene	190,000	190,000	180	1.1	1.1	5	6.6	0.3	0.098	0.16	ND (0.0036)	0.0055 J	0.0072 J	0.200	1.80	0.140	0.064
Chrysene	760	190,000	230	1.6	1.6	8.2	9.9	0.65	0.11	0.23	ND (0.0036)	0.0041 J	0.0079 J	0.290	3.80	0.210	0.110
Fluorene	130,000	190,000	3,800	0.13	0.19	1.8	1.9	0.054	0.015 J	0.054	ND (0.0036)	ND (0.0038)	ND (0.0038)	0.031 J	2.20	0.032	0.014 J
Phenanthrene	190,000	190,000	10,000	1.3	1.2	15	16	0.79	0.17	0.32	ND (0.0043)	ND (0.0046)	0.0066 J	0.450	12.0	0.260	0.130
Pyrene	96,000	190,000	2,200	2.5	2.6	16	18	1.5	0.19	0.41	ND (0.0036)	0.0051 J	0.012 J	0.710	7.80	0.340	0.190
Lead	1,000	190,000	450	170	48	150	120	87	85	88	1.6	5.6	3.2	42	37	44	29

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Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	7551-P5 8/6/2021 3.0 410-50281-2	7551-P6 8/6/2021 3.0 410-50281-18	7551-P7 8/6/2021 3.0 410-50281-16	7551-Center 9/23/2021 5.0 410-56522-15	7551-North 9/23/2021 5.0 410-57140-4	7551-East 9/23/2021 5.0 410-57140-5	7551-South 9/23/2021 5.0 410-57140-7	DUP-9 9/23/2021 410-56522-16	UNK-ST-S 8/6/2021 3.0 410-50503-6	UNK-ST-N 8/6/2021 3.0 410-50503-7	UNK-ST-W 9/23/2021 3.0 410-56522-11	UNK-ST-E 9/23/2021 3.0 410-56522-12	Pipe 1 8/4/2021 2.0 410-50151-17	Pipe 2 8/4/2021 2.0 410-50151-19
Ethylbenzene	880	1,000	70	ND (0.00044)	4.10	0.042 J	ND (0.00072)	ND (0.00073)	ND (0.046)	ND (0.00043)	ND (0.00066)	0.00085 J	0.310 J	ND (0.00067)	0.0011 J	ND (0.00044)	ND (0.00018)
1,2-Dichloroethane	85	98	0.5	ND (0.00066)	ND (0.055)	ND (0.041)	ND (0.0011)	ND (0.0011)	ND (0.070)	ND (0.00065)	ND (0.00098)	ND (0.00094)	ND (0.051)	ND (0.0010)	ND (0.00070)	ND (0.00066)	ND (0.00028)
1,3,5-Trimethylbenzene	4,700	5,400	93	ND (0.00055)	15	0.180 J	ND (0.00090)	0.0017 J	0.081 J	ND (0.00054)	ND (0.00082)	0.0066 J	1.10	0.0032 J	0.0069	ND (0.00055)	ND (0.00023)
Toluene	10,000	10,000	100	ND (0.00066)	8.40	0.220 J	ND (0.0011)	0.0023 J	ND (0.070)	ND (0.00065)	0.0011 J	0.0028 J	0.740	0.0021 J	0.0057 J	ND (0.00066)	ND (0.00028)
Xylenes, Total	7,900	9,100	1,000	ND (0.0015)	31	0.300 J	ND (0.0025)	ND (0.0026)	ND (0.160)	ND (0.0015)	ND (0.0023)	0.0072 J	2.40	0.0030 J	0.011 J	ND (0.0015)	ND (0.00064)
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.00055)	ND (0.046)	ND (0.034)	0.029	0.0065 J	0.240 J	ND (0.00054)	0.023	0.0018 J	ND (0.043)	ND (0.00084)	ND (0.00058)	ND (0.00055)	ND (0.00023)
Benzene	280	330	0.5	ND (0.00055)	0.72	ND (0.034)	ND (0.00090)	ND (0.00091)	ND (0.058)	ND (0.00054)	0.0012 J	0.0018 J	0.560	0.0015 J	0.0041 J	ND (0.00055)	ND (0.00023)
Napthalene	66	77	25	ND (0.0022)	1.10	ND (0.140)	ND (0.0036)	ND (0.0037)	ND (0.230)	ND (0.0022)	ND (0.0033)	0.0033 J	3.40	ND (0.0034)	0.009	ND (0.0022)	ND (0.00092)
1,2,4-Trimethylbenzene	4,700	5,400	300	ND (0.00055)	51	0.420	ND (0.00090)	ND (0.00091)	0.170 J	ND (0.00054)	ND (0.00082)	0.012	2.80	0.0023 J	0.0049 J	ND (0.00055)	ND (0.00023)
Isopropylbenzene	10,000	10,000	2,500	ND (0.00044)	2.0	ND (0.027)	ND (0.00072)	ND (0.00073)	ND (0.046)	ND (0.00043)	ND (0.00066)	ND (0.00063)	0.120 J	ND (0.00067)	ND (0.00047)	ND (0.00044)	ND (0.00018)
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.00044)	ND (0.037)	ND (0.027)	ND (0.00072)	ND (0.00073)	ND (0.046)	ND (0.00043)	ND (0.00066)	ND (0.00063)	ND (0.034)	ND (0.00067)	ND (0.00047)	ND (0.00044)	ND (0.00018)
Anthracene	190,000	190,000	350	ND (0.0036)	0.021 J	0.018 J	0.025 J	0.021 J	0.63	0.059	0.022 J	0.024 J	11	0.21	0.059	ND (0.00037)	0.030
Benzo(a)anthracene	130	190,000	340	0.008 J	0.026	0.026	0.037	ND (0.0057)	0.5	0.19	0.054	0.025 J	8.70	1	0.25	ND (0.00037)	0.250
Benzo(a)pyrene	91	190,000	46	0.011 J	0.017 J	0.039	0.06	ND (0.0057)	0.27	0.16	0.058	0.015 J	5.30	0.77	0.22	ND (0.00037)	0.220
Benzo(b)fluoranthene	76	190,000	170	0.015 J	0.029	0.048	0.076	ND (0.0057)	0.43	0.19	0.069	0.023 J	6.80	1.1	0.31	ND (0.00037)	0.370
Benzo(g,h,i)perylene	190,000	190,000	180	0.0098 J	0.043	0.095	0.06	ND (0.0057)	0.18	0.11	0.062	ND (0.0052)	2.70	0.5	0.18	ND (0.00037)	0.180
Chrysene	760	190,000	230	0.011 J	0.063	0.034	0.054	ND (0.0057)	0.53	0.16	0.068	0.022 J	8.00	1.1	0.25	ND (0.00037)	0.300
Fluorene	130,000	190,000	3,800	ND (0.0036)	0.031	ND (0.004)	0.014 J	ND (0.0057)	0.78	0.017 J	0.0091 J	ND (0.0052)	3.80	0.054	0.028	ND (0.00037)	0.012 J
Phenanthrene	190,000	190,000	10,000	0.0081 J	0.074	0.035	0.1	0.0082 J	4	0.19	0.091	0.200	29	0.63	0.22	ND (0.00045)	0.097
Pyrene	96,000	190,000	2,200	0.016 J	0.036	0.044	0.081	ND (0.0057)	1.8	0.32	0.099	0.098	15	2.5	0.41	ND (0.00037)	0.410
Lead	1,000	190,000	450	25	21	18	47	13	36	32	42	39	65	120	49	13	25

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Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	Pipe 3 8/4/2021 2.0 410-50151-20	Pipe 4 8/11/2021 2.0 410-51060-5	Pipe 5 8/4/2021 2.0 410-50151-21	Pipe 6 8/4/2021 2.0 410-50151-24	Pipe 7 8/4/2021 2.0 410-50151-22	Pipe 8 8/4/2021 2.0 410-50151-23	Pipe 9 8/4/2021 2.0 410-50151-26	Pipe 10 8/4/2021 2.0 410-50151-25	Pipe 11 8/4/2021 2.0 410-50151-10	Pipe 12 8/4/2021 2.0 410-50151-27	Pipe 13 8/4/2021 2.0 410-50151-28	Pipe 14 8/4/2021 2.0 410-50151-12	Pipe 15 8/5/2021 2.0 410-50151-2	Pipe 16 8/4/2021 2.0 410-50151-30
Ethylbenzene	880	1,000	70	ND (0.00046)	ND (0.00043)	ND (0.026)	ND (0.00047)	20	44	5.60	4.60	ND (0.00044)	0.320 J	2.30	ND (0.00051)	ND (0.00043)	ND (0.00046)
1,2-Dichloroethane	85	98	0.5	ND (0.00069)	ND (0.00065)	ND (0.039)	ND (0.00071)	ND (0.041)	ND (0.040)	ND (0.035)	ND (0.039)	ND (0.00067)	ND (0.044)	ND (0.037)	ND (0.00077)	ND (0.00064)	ND (0.00069)
1,3,5-Trimethylbenzene	4,700	5,400	93	ND (0.00058)	ND (0.00054)	ND (0.033)	ND (0.00059)	3.10	9.40	0.084 J	0.069 J	ND (0.00055)	1.10	ND (0.031)	0.0017 J	ND (0.00053)	ND (0.00057)
Toluene	10,000	10,000	100	ND (0.00069)	ND (0.00065)	ND (0.039)	ND (0.00071)	0.099 J	0.097 J	ND (0.035)	0.043 J	ND (0.00067)	ND (0.044)	ND (0.037)	ND (0.00077)	ND (0.00064)	ND (0.00069)
Xylenes, Total	7,900	9,100	1,000	ND (0.0016)	ND (0.0015)	ND (0.091)	ND (0.0017)	21	23	0.360 J	0.140 J	ND (0.0016)	0.940	ND (0.087)	ND (0.0018)	ND (0.0015)	ND (0.0016)
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.00058)	ND (0.00054)	ND (0.033)	ND (0.00059)	ND (0.034)	ND (0.034)	ND (0.029)	ND (0.032)	ND (0.00055)	ND (0.036)	ND (0.031)	ND (0.00064)	ND (0.00053)	ND (0.00057)
Benzene	280	330	0.5	ND (0.00058)	ND (0.00054)	ND (0.033)	ND (0.00059)	0.058 J	0.037 J	ND (0.029)	ND (0.032)	ND (0.00055)	ND (0.036)	ND (0.031)	ND (0.00064)	ND (0.00053)	ND (0.00057)
Napthalene	66	77	25	ND (0.0023)	ND (0.0022)	ND (0.130)	ND (0.0024)	11	11	2.50	0.230 J	ND (0.0022)	1.20	2.90	ND (0.0026)	ND (0.0021)	ND (0.0023)
1,2,4-Trimethylbenzene	4,700	5,400	300	ND (0.00058)	ND (0.00054)	ND (0.033)	ND (0.00059)	150	150	0.260 J	0.810	ND (0.00055)	2.70	0.090 J	0.0025 J	ND (0.00053)	ND (0.00057)
Isopropylbenzene	10,000	10,000	2,500	ND (0.00046)	ND (0.00043)	ND (0.026)	ND (0.00047)	7.3	6.3	2.10	4.30	ND (0.00044)	0.260 J	3.60	0.00059 J	ND (0.00043)	ND (0.00046)
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.00046)	ND (0.00043)	ND (0.026)	ND (0.00047)	ND (0.027)	ND (0.027)	ND (0.023)	ND (0.026)	ND (0.00044)	ND (0.029)	ND (0.025)	ND (0.00051)	ND (0.00043)	ND (0.00046)
Anthracene	190,000	190,000	350	ND (0.0043)	ND (0.0036)	ND (0.037)	ND (0.0039)	ND (0.0039)	0.450	0.230	0.360	ND (0.0038)	0.220	0.190	ND (0.0039)	ND (0.0039)	ND (0.004)
Benzo(a)anthracene	130	190,000	340	ND (0.0043)	ND (0.0036)	ND (0.037)	0.0089 J	0.0083 J	0.0099	0.014 J	0.0082 J	ND (0.0038)	0.0089 J	0.0062 J	ND (0.0039)	0.0064 J	ND (0.004)
Benzo(a)pyrene	91	190,000	46	ND (0.0043)	ND (0.0036)	ND (0.037)	0.011 J	ND (0.0039)	0.0042	0.012 J	0.0054 J	ND (0.0038)	0.011 J	0.0037 J	ND (0.0039)	0.0044 J	0.0045 J
Benzo(b)fluoranthene	76	190,000	170	ND (0.0043)	ND (0.0036)	ND (0.037)	0.014 J	ND (0.0039)	0.0041	0.014 J	0.0048 J	ND (0.0038)	0.017 J	ND (0.0037)	ND (0.0039)	0.0067 J	ND (0.004)
Benzo(g,h,i)perylene	190,000	190,000	180	ND (0.0043)	ND (0.0036)	ND (0.037)	0.0084 J	ND (0.0039)	ND (0.0038)	0.011 J	0.0045 J	ND (0.0038)	0.011 J	0.0055 J	ND (0.0039)	0.0043 J	ND (0.004)
Chrysene	760	190,000	230	0.0056 J	ND (0.0036)	ND (0.037)	0.011 J	0.013 J	0.016	0.019	0.015 J	ND (0.0038)	0.017 J	0.011 J	ND (0.0039)	0.0045 J	ND (0.004)
Fluorene	130,000	190,000	3,800	ND (0.0043)	ND (0.0036)	ND (0.037)	ND (0.0039)	1.10	1.50	0.870	1.70	ND (0.0038)	0.540	0.780	ND (0.0039)	ND (0.0039)	ND (0.004)
Phenanthrene	190,000	190,000	10,000	ND (0.0052)	ND (0.0044)	ND (0.044)	0.016 J	1.90	3.40	1.40	2.50	ND (0.0045)	0.410	1.30	ND (0.0047)	ND (0.0046)	ND (0.0048)
Pyrene	96,000	190,000	2,200	0.051	0.0041 J	ND (0.037)	0.017 J	0.200	0.310	0.140	0.230	ND (0.0038)	0.330	0.180	0.0095 J	0.0092 J	ND (0.004)
Lead	1,000	190,000	450	19	14	11	14	9.3	13	15	32	13	13	12	8.9	11	4.0

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All concentrations in micrograms per kilogram
J - Value estimated by the laboratory
ND - analyte not detected at laboratory method detection limit indicated
Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	Pipe 17 8/4/2021 2.0 410-50151-29	Pipe 18 8/10/2021 2.0 410-50672-12	Pipe 19 8/10/2021 2.0 410-50672-10	Pipe 20 8/10/2021 2.0 410-50672-17	Pipe 21 8/10/2021 2.0 410-50672-18	Pipe 22 8/10/2021 2.0 410-50672-19	Pipe 23 8/10/2021 2.0 410-50672-13	Pipe 24 8/10/2021 2.0 410-50672-14	Pipe 25 8/10/2021 2.0 410-50672-15	Pipe 26 8/11/2021 2.0 410-50879-21	Pipe 27 8/11/2021 2.0 410-51060-1	Pipe 28 8/11/2021 2.0 410-50879-24	Pipe 29 8/11/2021 2.0 410-51060-2	DUP-7 8/11/2021 410-51060-3
Ethylbenzene	880	1,000	70	ND (0.021)	ND (0.00081)	ND (0.00071)	ND (0.00075)	ND (0.00071)	ND (0.039)	ND (0.00079)	ND (0.00068)	ND (0.00080)	ND (0.00063)	ND (0.061)	ND (0.00074)	1.0	1.6
1,2-Dichloroethane	85	98	0.5	ND (0.032)	ND (0.0012)	0.0027 J	ND (0.0011)	ND (0.0011)	ND (0.058)	0.0030 J	0.0031 J	ND (0.0012)	ND (0.00095)	ND (0.092)	ND (0.0011)	0.095 J	ND (0.080)
1,3,5-Trimethylbenzene	4,700	5,400	93	ND (0.027)	ND (0.0010)	0.0040 J	ND (0.00093)	ND (0.00089)	0.051 J	ND (0.00099)	0.0019 J	0.0016 J	ND (0.00079)	ND (0.077)	ND (0.00093)	18	34
Toluene	10,000	10,000	100	ND (0.032)	0.0013 J	0.031	0.0040 J	ND (0.0011)	0.061 J	0.025	0.020	0.140	ND (0.0095)	ND (0.092)	0.0028 J	4.1	0.180 J
Xylenes, Total	7,900	9,100	1,000	ND (0.075)	ND (0.0028)	0.028	ND (0.0026)	ND (0.0025)	0.170 J	0.0095 J	0.013 J	0.024	ND (0.0022)	ND (0.210)	ND (0.0026)	10	23
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.027)	ND (0.0010)	ND (0.00089)	ND (0.00093)	ND (0.00089)	ND (0.048)	ND (0.00099)	ND (0.00085)	0.0022 J	ND (0.00079)	ND (0.077)	ND (0.00093)	ND (0.059)	ND (0.067)
Benzene	280	330	0.5	ND (0.027)	0.0028 J	0.027	0.0037 J	ND (0.00089)	ND (0.048)	0.014	0.0083 J	0.032	ND (0.00079)	ND (0.077)	0.0014 J	0.66	ND (0.067)
Napthalene	66	77	25	ND (0.110)	ND (0.0040)	ND (0.0036)	ND (0.0037)	ND (0.0036)	ND (0.190)	ND (0.0039)	ND (0.0034)	ND (0.0040)	ND (0.0032)	ND (0.310)	ND (0.0037)	4.8	3.1
1,2,4-Trimethylbenzene	4,700	5,400	300	0.027 J	ND (0.0010)	0.0053 J	ND (0.00093)	ND (0.00089)	0.099 J	0.0014 J	0.0033 J	0.0037 J	ND (0.00079)	ND (0.077)	ND (0.00093)	10	100
Isopropylbenzene	10,000	10,000	2,500	ND (0.021)	ND (0.00081)	ND (0.00071)	ND (0.00075)	ND (0.00071)	ND (0.039)	ND (0.00079)	ND (0.00068)	ND (0.00080)	ND (0.00063)	ND (0.061)	ND (0.00074)	0.240 J	2.4
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.021)	ND (0.00081)	ND (0.00071)	ND (0.00075)	ND (0.0071)	ND (0.039)	ND (0.00079)	ND (0.00068)	ND (0.00080)	ND (0.00063)	ND (0.061)	ND (0.00074)	ND (0.047)	ND (0.053)
Anthracene	190,000	190,000	350	0.011 J	ND (0.0045)	0.010 J	ND (0.0044)	ND (0.0047)	0.022	0.0048 J	0.0099 J	ND (0.0048)	0.017 J	ND (0.0045)	ND (0.0045)	0.66	0.69
Benzo(a)anthracene	130	190,000	340	0.016 J	ND (0.0045)	0.0051 J	0.0091 J	ND (0.0047)	0.035	0.0090 J	0.0053 J	ND (0.0048)	0.012 J	ND (0.0045)	ND (0.0045)	0.021 J	0.022 J
Benzo(a)pyrene	91	190,000	46	0.015 J	ND (0.0045)	0.0049 J	0.0057 J	ND (0.0047)	0.033	0.0070 J	ND (0.0046)	ND (0.0048)	0.0089 J	ND (0.0045)	ND (0.0045)	0.011 J	0.010 J
Benzo(b)fluoranthene	76	190,000	170	0.023	0.0057 J	0.0063 J	0.014 J	ND (0.0047)	0.041	0.029	ND (0.0046)	ND (0.0048)	0.013 J	ND (0.0045)	ND (0.0045)	0.020 J	0.022 J
Benzo(g,h,i)perylene	190,000	190,000	180	0.014 J	0.0045 J	0.0073 J	0.0071 J	ND (0.0047)	0.038	0.020 J	ND (0.0046)	0.0084 J	0.012 J	ND (0.0045)	ND (0.0045)	0.017 J	0.014 J
Chrysene	760	190,000	230	0.026	0.013 J	0.0052 J	0.011 J	ND (0.0047)	0.052	0.025	0.0085 J	0.021 J	0.013 J	ND (0.0045)	ND (0.0045)	0.087	0.075
Fluorene	130,000	190,000	3,800	0.011 J	ND (0.0045)	ND (0.0044)	ND (0.0044)	ND (0.0047)	0.011 J	ND (0.0042)	0.014 J	0.021 J	ND (0.0044)	ND (0.0045)	ND (0.0045)	2.5	2.2
Phenanthrene	190,000	190,000	10,000	0.031	0.029	0.058	0.010 J	0.023 J	0.050	0.024	0.040	0.150	0.026	0.0084 J	ND (0.0054)	3.2	3
Pyrene	96,000	190,000	2,200	0.022	0.0096 J	0.014 J	0.0098 J	ND (0.0047)	0.042	0.0064 J	0.019 J	0.026	0.020 J	0.0054 J	ND (0.0045)	1.3	1.1
Lead	1,000	190,000	450	16	120	260	66	28	1,100	130	210	60	32	40	14	22	24

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J - Value estimated by the laboratory
ND - analyte not detected at laboratory method detection limit indicated
Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	Pipe 30 8/11/2021 2.0 410-51060-4	Pipe 31 8/11/2011 2.0 410-50879-20	Pipe-32 8/10/2021 2.0 410-50879-5	Pipe 33 8/10/2021 2.0 410-50879-6	Pipe 34 8/10/2021 2.0 410-50879-9	Pipe 35 8/10/2021 2.0 410-50879-10	Pipe 36 8/10/2021 2.0 410-50879-11	Pipe 37 8/10/2021 2.0 410-50879-12	Pipe 38 8/10/2021 2.0 410-50879-13	Pipe 39 8/10/2021 2.0 410-50879-14	DUP-06 8/10/2021 410-50879-26	Pipe 40 8/10/2021 2.0 410-50879-15	Pipe 41 8/13/2021 2.0 410-51318-12	Pipe 42 8/13/2021 2.0 410-51318-11
Ethylbenzene	880	1,000	70	ND (0.055)	ND (0.00079)	ND (0.00077)	ND (0.00080)	0.100 J	ND (0.00088)	ND (0.00081)	ND (0.00088)	ND (0.064)	ND (0.00088)	ND (0.048)	0.063 J	ND (0.00065)	0.041
1,2-Dichloroethane	85	98	0.5	ND (0.083)	ND (0.0012)	0.0012 J	0.0018 J	ND (0.120)	0.0014 J	ND (0.0012)	ND (0.0013)	ND (0.096)	ND (0.0013)	ND (0.071)	ND (0.085)	ND (0.00097)	ND (0.0011)
1,3,5-Trimethylbenzene	4,700	5,400	93	0.210 J	ND (0.00099)	0.00098 J	ND (0.0010)	0.610 J	0.0036 J	ND (0.0010)	ND (0.0011)	ND (0.080)	ND (0.011)	ND (0.059)	ND (0.071)	ND (0.00081)	0.00096 J
Toluene	10,000	10,000	100	0.088 J	ND (0.0012)	0.0030 J	0.0066 J	ND (0.120)	0.0048 J	ND (0.0012)	ND (0.0013)	ND (0.096)	ND (0.0013)	ND (0.071)	0.160 J	ND (0.00097)	0.0012 J
Xylenes, Total	7,900	9,100	1,000	ND (0.190)	ND (0.0028)	ND (0.0027)	0.0033 J	0.750 J	0.0035 J	ND (0.0028)	ND (0.0031)	ND (0.220)	ND (0.0031)	ND (0.170)	0.210 J	ND (0.0023)	0.33
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.069)	ND (0.00099)	ND (0.00096)	ND (0.0010)	ND (0.100)	ND (0.0011)	ND (0.0010)	ND (0.0011)	ND (0.080)	ND (0.0011)	ND (0.059)	ND (0.071)	ND (0.00081)	ND (0.00091)
Benzene	280	330	0.5	ND (0.069)	ND (0.00099)	0.0051 J	0.0091 J	ND (0.100)	0.0074 J	0.0018 J	ND (0.0011)	ND (0.080)	ND (0.0011)	ND (0.059)	ND (0.071)	ND (0.00081)	ND (0.00091)
Napthalene	66	77	25	ND (0.280)	ND (0.0040)	ND (0.0038)	ND (0.0040)	ND (0.410)	ND (0.0044)	ND (0.0041)	ND (0.0044)	ND (0.320)	ND (0.0044)	ND (0.240)	ND (0.280)	ND (0.0032)	ND (0.0036)
1,2,4-Trimethylbenzene	4,700	5,400	300	0.330 J	ND (0.00099)	0.0012 J	ND (0.0010)	1.0	0.0058 J	ND (0.0010)	ND (0.0011)	ND (0.080)	ND (0.0011)	ND (0.059)	ND (0.071)	ND (0.00081)	0.0014 J
Isopropylbenzene	10,000	10,000	2,500	ND (0.055)	ND (0.00079)	ND (0.00077)	ND (0.00080)	ND (0.083)	ND (0.00088)	ND (0.00081)	ND (0.00088)	ND (0.064)	ND (0.00086)	ND (0.048)	ND (0.057)	ND (0.00065)	0.0014 J
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.055)	ND (0.00079)	ND (0.00077)	ND (0.00080)	ND (0.083)	ND (0.00088)	ND (0.00081)	ND (0.00088)	ND (0.064)	ND (0.00086)	ND (0.048)	ND (0.057)	ND (0.00065)	ND (0.00073)
Anthracene	190,000	190,000	350	ND (0.006)	0.014 J	0.014 J	0.051	0.100	0.0090 J	0.0093 J	ND (0.0062)	0.021 J	0.014 J	ND (0.0051)	ND (0.0049)	0.022 J	0.031
Benzo(a)anthracene	130	190,000	340	0.0067 J	ND (0.0063)	ND (0.0047)	0.040	0.012 J	ND (0.0045)	0.0055 J	ND (0.0062)	ND (0.0062)	ND (0.0055)	0.024 J	0.016 J	0.022 J	0.045
Benzo(a)pyrene	91	190,000	46	ND (0.006)	ND (0.0063)	0.0059 J	0.029	0.016 J	0.0061 J	ND (0.0048)	ND (0.0062)	0.015 J	ND (0.0055)	0.014 J	0.0094 J	0.025 J	0.041
Benzo(b)fluoranthene	76	190,000	170	ND (0.006)	ND (0.0063)	0.0057 J	0.089	0.014 J	ND (0.0045)	0.0056 J	ND (0.0062)	0.022 J	ND (0.0055)	0.026	0.016 J	0.046	0.066
Benzo(g,h,i)perylene	190,000	190,000	180	0.0085 J	ND (0.0063)	0.0064 J	0.064	0.130	ND (0.0045)	ND (0.0048)	ND (0.0062)	0.020 J	0.011 J	0.017 J	0.016 J	0.025 J	0.041
Chrysene	760	190,000	230	0.013 J	ND (0.0063)	0.0084 J	0.065	0.017 J	ND (0.0045)	ND (0.0048)	ND (0.0062)	0.024 J	ND (0.0055)	0.039	0.025	0.046	0.08
Fluorene	130,000	190,000	3,800	0.0098 J	ND (0.0063)	0.0079 J	0.012 J	0.026	ND (0.0045)	ND (0.0048)	ND (0.0062)	ND (0.0062)	ND (0.0055)	0.100	0.087	0.0086 J	ND (0.0052)
Phenanthrene	190,000	190,000	10,000	0.034	0.0076 J	0.100	0.084	0.027	0.032	0.025	ND (0.0074)	0.029 J	0.0077 J	0.160	0.150	0.067	0.12
Pyrene	96,000	190,000	2,200	0.011 J	ND (0.0063)	0.0065 J	0.042	0.036	ND (0.0045)	ND (0.0048)	ND (0.0062)	0.033	ND (0.0055)	0.100	0.120	0.063	0.072
Lead	1,000	190,000	450	54	31	95	920	79	17	26	30	170	64	20	28	120	110

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Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	Pipe 43 8/13/2021 2.0 410-51318-10	Pipe 44 8/11/2021 2.0 410-51060-6	Pipe 45 8/5/2021 2.0 410-50281-24	Pipe 46 8/5/2021 2.0 410-50281-26	Pipe 47 8/5/2021 2.0 410-50281-25	Pipe 48 8/5/2021 2.0 410-50281-27	Pipe 49 8/5/2021 2.0 410-50281-23	Pipe 50 8/5/2021 2.0 410-50281-22	Pipe 51 8/5/2021 2.0 410-50281-31	Pipe 52 8/5/2021 2.0 410-50281-32	Pipe 53 8/5/2021 2.0 410-50281-11	Pipe 54 8/9/2021 2.0 410-50672-7	Pipe 55 8/5/2021 2.0 410-50281-13	Pipe 56 8/9/2021 2.0 410-50672-6
Ethylbenzene	880	1,000	70	ND (0.00071)	ND (0.061)	ND (0.037)	ND (0.037)	ND (0.041)	0.00065 J	ND (0.00056)	ND (0.00061)	ND (0.00077)	ND (0.00060)	ND (0.00071)	ND (0.00059)	ND (0.048)	ND (0.00071)
1,2-Dichloroethane	85	98	0.5	ND (0.0011)	ND (0.092)	ND (0.056)	ND (0.055)	ND (0.061)	ND (0.00095)	ND (0.00084)	ND (0.00092)	ND (0.0012)	ND (0.00090)	ND (0.0011)	ND (0.00088)	ND (0.072)	ND (0.0011)
1,3,5-Trimethylbenzene	4,700	5,400	93	0.0076 J	0.140 J	ND (0.047)	ND (0.046)	ND (0.051)	ND (0.00079)	ND (0.00070)	ND (0.00077)	ND (0.00097)	ND (0.00075)	ND (0.00089)	ND (0.00073)	ND (0.060)	ND (0.00089)
Toluene	10,000	10,000	100	ND (0.0011)	ND (0.092)	ND (0.056)	ND (0.055)	ND (0.061)	0.0023 J	ND (0.00084)	ND (0.00092)	ND (0.0012)	ND (0.00090)	ND (0.0011)	ND (0.00088)	ND (0.072)	ND (0.0011)
Xylenes, Total	7,900	9,100	1,000	ND (0.0025)	ND (0.210)	ND (0.130)	ND (0.130)	ND (0.140)	0.0035 J	ND (0.0019)	ND (0.0022)	ND (0.0027)	ND (0.0021)	ND (0.0025)	ND (0.0021)	ND (0.170)	ND (0.0025)
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.00089)	ND (0.077)	ND (0.047)	ND (0.046)	ND (0.051)	ND (0.00079)	ND (0.00070)	ND (0.00077)	ND (0.00097)	ND (0.00075)	ND (0.00089)	ND (0.00073)	ND (0.060)	ND (0.00089)
Benzene	280	330	0.5	ND (0.00089)	ND (0.077)	ND (0.047)	ND (0.046)	ND (0.051)	0.00093 J	0.0011 J	ND (0.00077)	0.0015 J	ND (0.00075)	ND (0.00089)	ND (0.00073)	ND (0.060)	ND (0.00089)
Napthalene	66	77	25	ND (0.0035)	ND (0.310)	ND (0.190)	ND (0.180)	ND (0.200)	ND (0.0032)	ND (0.0028)	ND (0.0031)	ND (0.0039)	ND (0.0030)	ND (0.036)	ND (0.0029)	ND (0.240)	ND (0.0035)
1,2,4-Trimethylbenzene	4,700	5,400	300	0.015	0.220 J	0.075 J	ND (0.046)	ND (0.051)	0.00087 J	ND (0.00070)	ND (0.00077)	ND (0.00097)	ND (0.00075)	ND (0.00089)	ND (0.00073)	ND (0.060)	ND (0.00089)
Isopropylbenzene	10,000	10,000	2,500	ND (0.00071)	ND (0.061)	ND (0.037)	ND (0.037)	ND (0.041)	ND (0.00064)	ND (0.00056)	ND (0.00061)	ND (0.00077)	ND (0.00060)	ND (0.00071)	ND (0.00059)	ND (0.048)	ND (0.00071)
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.00071)	ND (0.061)	ND (0.037)	ND (0.037)	ND (0.041)	ND (0.00064)	ND (0.00056)	ND (0.00061)	ND (0.00077)	ND (0.00060)	ND (0.00071)	ND (0.00059)	ND (0.048)	ND (0.00071)
Anthracene	190,000	190,000	350	0.017 J	0.29	0.022	0.130 J	ND (0.038)	ND (0.0039)	0.013 J	ND (0.0041)	0.080 J	0.018 J	ND (0.045)	0.0052 J	0.110	0.0081 J
Benzo(a)anthracene	130	190,000	340	0.040 J	0.030 J	0.0067 J	0.370 J	ND (0.038)	0.019	0.019 J	0.0098 J	ND (0.021)	0.028	0.170 J	0.0096 J	0.510	0.026
Benzo(a)pyrene	91	190,000	46	0.037 J	0.018 J	0.0067 J	0.380 J	ND (0.038)	0.015 J	0.020	0.0062 J	ND (0.021)	ND (0.0046)	0.220	0.0043 J	0.460	0.027
Benzo(b)fluoranthene	76	190,000	170	0.057	0.033	0.014 J	0.440	ND (0.038)	0.014 J	0.027	0.0099 J	ND (0.021)	0.034	0.230	0.010 J	0.580	0.032
Benzo(g,h,i)perylene	190,000	190,000	180	0.039 J	0.023 J	0.0093 J	0.340 J	0.080 J	0.027	0.022	0.011 J	0.710	ND (0.0046)	0.160 J	ND (0.0043)	0.330	0.023
Chrysene	760	190,000	230	0.051	0.068	0.011 J	0.460	ND (0.038)	0.045	0.025	0.0097 J	ND (0.021)	0.040	0.170 J	0.015 J	0.580	0.028
Fluorene	130,000	190,000	3,800	ND (0.0097)	0.25	ND (0.0039)	ND (0.081)	ND (0.038)	ND (0.0039)	ND (0.0039)	ND (0.0041)	ND (0.021)	ND (0.0046)	ND (0.045)	ND (0.0043)	0.092	ND (0.0040)
Phenanthrene	190,000	190,000	10,000	0.087	0.47	0.032	0.560	ND (0.038)	0.079	0.052	0.010 J	0.270	0.064	0.056 J	0.038	1.10	0.029
Pyrene	96,000	190,000	2,200	0.072	0.71	0.015 J	0.700	ND (0.038)	0.074	0.050	0.013 J	0.100	0.039	0.220	0.041	0.930	0.040
Lead	1,000	190,000	450	60	32	330	600	69	15	78	320	460	110	83	35	750	160

PADEP - Pennsylvania Department of Environmetnal Protection
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All concentrations in micrograms per kilogram
J - Value estimated by the laboratory
ND - analyte not detected at laboratory method detection limit indicated
Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	Pipe 57 8/9/2021 2.0 410-50672-3	Pipe 58 8/9/2021 2.0 410-50672-4	Pipe 59 8/9/2021 2.0 410-50672-5	Pipe 60 8/5/2021 2.0 410-50151-31	Pipe 61 8/5/2021 2.0 410-50151-8	Pipe 62 8/12/2021 2.0 410-51318-2	Pipe 63 8/12/2021 2.0 410-51318-1	Pipe 64 8/12/2021 2.0 410-51060-12	Pipe 65 8/12/2021 2.0 410-51060-14	Pipe 66 8/12/2021 2.0 410-51060-13	Pipe 67 8/9/2021 2.0 410-50672-8	Pipe 68 8/9/2021 2.0 410-50672-2	Pipe 69 8/9/2021 2.0 410-50672-1	Pipe 70 8/9/2021 2.0 410-50503-10
Ethylbenzene	880	1,000	70	ND (0.00091)	ND (0.00083)	ND (0.00076)	ND (0.00055)	ND (0.00047)	ND (0.046)	ND (0.00080)	ND (0.00077)	ND (0.00064)	ND (0.00070)	ND (0.00063)	ND (0.00059)	ND (0.062)	0.080 J
1,2-Dichloroethane	85	98	0.5	ND (0.0014)	ND (0.0012)	ND (0.0011)	ND (0.00082)	ND (0.00071)	ND (0.070)	ND (0.0012)	ND (0.0012)	ND (0.00096)	ND (0.0011)	ND (0.00094)	ND (0.00088)	ND (0.093)	ND (0.062)
1,3,5-Trimethylbenzene	4,700	5,400	93	ND (0.0011)	ND (0.0010)	ND (0.00095)	ND (0.00069)	ND (0.00059)	ND (0.058)	ND (0.0010)	ND (0.00096)	ND (0.00080)	ND (0.00088)	ND (0.00079)	0.0055 J	0.590 J	1.10
Toluene	10,000	10,000	100	ND (0.0014)	ND (0.0012)	ND (0.0011)	0.0039 J	ND (0.00071)	ND (0.070)	ND (0.0012)	0.0019 J	ND (0.00096)	0.0045 J	0.0019 J	0.0029 J	0.210 J	0.320 J
Xylenes, Total	7,900	9,100	1,000	ND (0.0032)	ND (0.0029)	ND (0.0027)	0.0038 J	ND (0.0016)	ND (0.160)	ND (0.0028)	ND (0.0027)	ND (0.0022)	ND (0.0025)	ND (0.0022)	0.0064 J	0.350 J	0.590 J
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.0011)	ND (0.0010)	ND (0.00095)	ND (0.00069)	ND (0.00059)	ND (0.058)	ND (0.0010)	ND (0.00096)	ND (0.00080)	ND (0.00088)	ND (0.00079)	ND (0.00073)	ND (0.077)	ND (0.052)
Benzene	280	330	0.5	ND (0.0011)	ND (0.0010)	ND (0.00095)	0.0020 J	0.00097 J	ND (0.058)	ND (0.0010)	0.0022 J	0.00084 J	0.0032 J	0.0024 J	0.0017 J	ND (0.077)	ND (0.052)
Napthalene	66	77	25	ND (0.0045)	ND (0.0041)	ND (0.0038)	0.0050 J	ND (0.0024)	ND (0.230)	ND (0.0040)	ND (0.0039)	ND (0.0032)	ND (0.0035)	ND (0.0031)	ND (0.0029)	ND (0.310)	ND (0.210)
1,2,4-Trimethylbenzene	4,700	5,400	300	ND (0.0011)	ND (0.0010)	ND (0.00095)	ND (0.00069)	ND (0.00059)	ND (0.058)	ND (0.0010)	ND (0.00096)	ND (0.00080)	ND (0.00088)	ND (0.00079)	0.0054 J	0.650 J	1.50
Isopropylbenzene	10,000	10,000	2,500	ND (0.00091)	ND (0.00083)	ND (0.00076)	ND (0.00055)	ND (0.00047)	ND (0.046)	ND (0.00080)	ND (0.00077)	ND (0.00064)	ND (0.00070)	ND (0.00063)	ND (0.00059)	ND (0.062)	ND (0.041)
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.00091)	ND (0.00083)	ND (0.00076)	ND (0.00055)	ND (0.00047)	ND (0.046)	ND (0.00080)	ND (0.00077)	ND (0.00064)	ND (0.00070)	ND (0.00063)	ND (0.00059)	ND (0.062)	ND (0.041)
Anthracene	190,000	190,000	350	ND (0.0063)	ND (0.0044)	0.0079 J	0.130	0.170	ND (0.0045)	0.0058 J	ND (0.0048)	0.016 J	0.0054 J	0.018 J	0.120	0.044	ND (0.0053)
Benzo(a)anthracene	130	190,000	340	ND (0.0063)	0.0089 J	0.0071 J	0.010 J	0.031	ND (0.0045)	0.0084 J	0.015 J	0.025	0.016 J	0.036	0.360	0.150	0.046
Benzo(a)pyrene	91	190,000	46	ND (0.0063)	0.0057 J	0.0061 J	0.010 J	0.032	ND (0.0045)	0.0082 J	0.015 J	0.025	0.017 J	0.046	0.310	0.054	0.056
Benzo(b)fluoranthene	76	190,000	170	ND (0.0063)	0.014 J	ND (0.0060)	0.013 J	0.051	ND (0.0045)	0.019 J	0.020 J	0.034	0.025	0.068	0.370	0.095	0.069
Benzo(g,h,i)perylene	190,000	190,000	180	0.024 J	0.0087 J	0.0091 J	0.0085 J	0.037	ND (0.0045)	0.023	0.011 J	0.021 J	0.017 J	0.058	0.210	0.040	0.058
Chrysene	760	190,000	230	ND (0.0063)	0.031	ND (0.0060)	0.023	0.042	ND (0.0045)	0.013 J	0.015 J	0.035	0.018 J	0.052	0.350	0.150	0.076
Fluorene	130,000	190,000	3,800	ND (0.0063)	ND (0.0044)	ND (0.0060)	ND (0.0042)	ND (0.0041)	ND (0.0045)	ND (0.0045)	ND (0.0048)	0.011 J	ND (0.0048)	0.014 J	0.072	0.013 J	0.590
Phenanthrene	190,000	190,000	10,000	ND (0.0075)	0.053	ND (0.0072)	0.110	0.093	ND (0.0054)	0.019 J	0.016 J	0.074	0.0022 J	0.120	0.460	0.510	0.760
Pyrene	96,000	190,000	2,200	ND (0.0063)	0.016 J	ND (0.0060)	0.022	0.052	0.039	0.013 J	0.023 J	0.065	0.024	0.063	0.620	0.540	0.470
Lead	1,000	190,000	450	16	12	25	190	570	29	70	190	44	180	93	240	89	750

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ND - analyte not detected at laboratory method detection limit indicated
Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC

Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

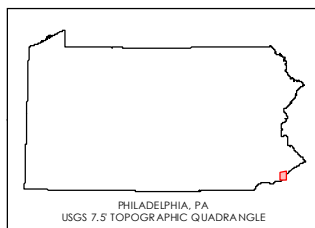
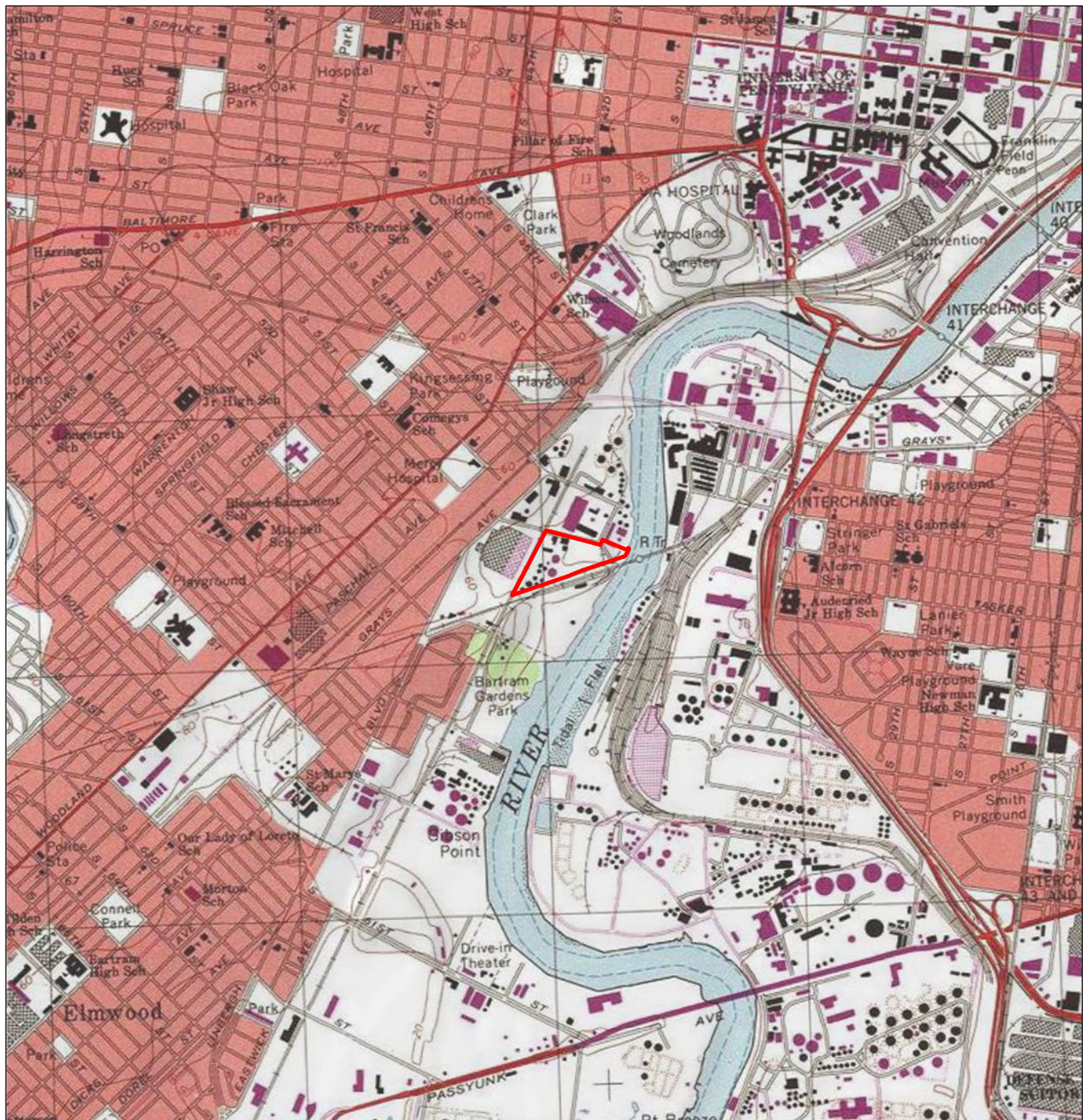
	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	Dup-4 8/9/2021	Pipe 71 8/9/2021	Pipe 72 8/9/2021	Pipe 74 8/6/2021	Pipe 74 8/10/2021	Pipe 75 8/6/2021	Pipe 76 8/6/2021	Pipe 77 8/6/2021	Pipe 78 8/6/2021	Pipe 79 8/6/2021	Pipe 80 8/6/2021	DUP-3 8/6/2021	Pipe 81 8/6/2021	Pipe 82 8/6/2021
				2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
				410-50503-11	410-50503-8	410-50503-9	410-50503-4	410-50672-16	410-50281-3	410-50281-8	410-50281-7	410-50281-14	410-50281-15	410-50281-21	410-50281-1	410-50281-19	410-50281-17
Ethylbenzene	880	1,000	70	0.100 J	0.350 J	ND (0.029)	0.061 J	ND (0.00065)	0.044 J	ND (0.00038)	1.40	0.140 J	1.70	0.0038 J	0.0048 J	0.0014 J	0.001 J
1,2-Dichloroethane	85	98	0.5	ND (0.056)	ND (0.059)	ND (0.044)	ND (0.045)	ND (0.00098)	ND (0.038)	ND (0.00057)	ND (0.044)	ND (0.065)	ND (0.030)	ND (0.00071)	ND (0.00073)	0.0013 J	ND (0.00087)
1,3,5-Trimethylbenzene	4,700	5,400	93	1.30	0.970	0.088 J	0.066 J	ND (0.00082)	0.100 J	ND (0.00048)	8.10	1.10	0.039 J	0.0014 J	0.0015 J	ND (0.0056)	0.00073 J
Toluene	10,000	10,000	100	0.450 J	0.170 J	0.230 J	0.280 J	0.0014 J	0.180 J	ND (0.00057)	0.100 J	0.110 J	ND (0.030)	0.011	0.012	0.031	0.0068 J
Xylenes, Total	7,900	9,100	1,000	0.770 J	1.20	0.330 J	0.280 J	ND (0.0023)	0.240 J	ND (.0013)	3.50	0.470 J	0.110 J	0.012	0.014	0.0073 J	0.0059 J
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.047)	ND (0.049)	ND (0.037)	ND (0.037)	ND (0.00082)	ND (0.032)	0.0011 J	ND (0.036)	ND (0.055)	ND (0.025)	ND (0.00059)	ND (0.00061)	ND (0.0056)	ND (0.00073)
Benzene	280	330	0.5	0.068 J	ND (0.049)	0.049 J	0.055 J	0.0011 J	0.039 J	ND (0.00048)	ND (0.036)	ND (0.055)	0.026 J	0.0038 J	0.0043J	0.012	0.0062 J
Napthalene	66	77	25	ND (0.190)	ND (0.049)	ND (0.150)	0.430	ND (0.0033)	ND (0.130)	ND (0.0019)	2.00	0.290 J	0.820	ND (0.0024)	0.0036 J	ND (0.0022)	ND (0.0029)
1,2,4-Trimethylbenzene	4,700	5,400	300	2.10	1.90	0.180 J	0.092 J	ND (0.00082)	0.065 J	ND (0.00048)	19.0	2.20	27	0.0057 J	0.0073	0.0011 J	0.0012 J
Isopropylbenzene	10,000	10,000	2,500	0.041 J	0.580	ND (0.029)	0.670	ND (0.00065)	ND (0.025)	ND (0.00038)	1.80	0.180 J	1.0	ND (0.00047)	0.00054 J	ND (0.00044)	ND (0.00058)
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.037)	ND (0.039)	ND (0.029)	ND (0.030)	ND (0.00065)	ND (0.025)	ND (0.00038)	ND (0.029)	ND (0.044)	ND (0.020)	ND (0.00047)	ND (0.0049)	ND (0.00044)	ND (0.00058)
Anthracene	190,000	190,000	350	ND (0.0048)	ND (0.0053)	0.038	1.50	0.019 J	ND (0.0041)	0.014 J	ND (0.0045)	0.031	0.035	0.033	0.007 J	0.048	0.110
Benzo(a)anthracene	130	190,000	340	0.069	0.089	0.150	4.60	0.029	0.017 J	0.083	0.190	0.022 J	0.062	0.057	0.019	0.120	0.360
Benzo(a)pyrene	91	190,000	46	0.047	0.075	0.160	3.80	0.021	0.017 J	0.120	0.270	0.021 J	0.047	0.094	0.022	0.330	0.390
Benzo(b)fluoranthene	76	190,000	170	0.079	0.092	0.190	4.30	0.039	0.027	0.190	0.200	0.040	0.044	0.100	0.025	0.370	0.510
Benzo(g,h,i)perylene	190,000	190,000	180	0.054	0.086	0.130	2.60	0.018 J	0.030	0.150	0.270	0.056	0.041	0.110	0.024	0.430	0.390
Chrysene	760	190,000	230	0.150	0.130	0.150	3.80	0.038	0.018 J	0.140	0.370	0.030	0.080	0.065	0.020	0.130	0.390
Fluorene	130,000	190,000	3,800	1.20	0.730	0.014 J	0.510	ND (0.0041)	0.015 J	0.0056 J	0.900	ND (0.0055)	0.130	0.021	0.0049 J	0.012 J	0.032
Phenanthrene	190,000	190,000	10,000	1.90	0.680	0.110	4.50	0.076	ND (0.0049)	0.076	0.870	0.064	0.190	0.110	0.026	0.097	0.450
Pyrene	96,000	190,000	2,200	0.780	0.970	0.220	6.50	0.057	0.048	0.180	0.560	0.054	0.100	0.120	0.034	0.140	0.570
Lead	1,000	190,000	450	210	130	160	160	120	190	270	210	94	14	30	26	500	200

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Table 1
AST Closure Confirmation Soil Sample Results
PBF 51st Street Terminal

	PADEP NR DC MSC 0-2'	PADEP NR DC MSC 2-15'	PADEP NR S to G MSC	Pipe 83 8/6/2021 2.0 410-50281-20	Pipe 84 8/6/2021 2.0 410-50503-5	Pipe 85 8/6/2021 2.0 410-50503-1	Pipe 86 8/6/2021 2.0 410-50503-3	Pipe 87 8/6/2021 2.0 410-50281-5
Ethylbenzene	880	1,000	70	ND (0.00043)	0.00043 J	ND (0.083)	ND (0.032)	0.100 J
1,2-Dichloroethane	85	98	0.5	ND (0.00065)	ND (0.00056)	ND (0.130)	ND (0.049)	ND (0.04)
1,3,5-Trimethylbenzene	4,700	5,400	93	ND (0.00054)	0.00078 J	ND (0.0100)	ND (0.041)	ND (0.033)
Toluene	10,000	10,000	100	0.0055	0.0025 J	ND (0.130)	0.053 J	0.079 J
Xylenes, Total	7,900	9,100	1,000	0.0028 J	0.0023 J	ND (0.290)	ND (0.110)	0.120 J
Methyl tertiary butyl ether	8,500	9,800	96	ND (0.00054)	ND (0.00047)	ND (0.100)	ND (0.041)	ND (0.033)
Benzene	280	330	0.5	0.0038 J	0.0086	ND (0.100)	ND (0.041)	ND (0.033)
Napthalene	66	77	25	ND (0.0022)	0.0032 J	ND (0.420)	ND (0.160)	ND (0.130)
1,2,4-Trimethylbenzene	4,700	5,400	300	0.00058 J	0.00077 J	ND (0.100)	ND (0.041)	0.100 J
Isopropylbenzene	10,000	10,000	2,500	ND (0.00043)	ND (0.00037)	ND (0.083)	0.048 J	ND (0.026)
1,2,-Dibromoethane	3.7	4.2	0.005	ND (0.00043)	ND (0.00037)	ND (0.083)	ND (0.032)	ND (0.026)
Anthracene	190,000	190,000	350	0.055	1.50	0.320	3.20	0.250
Benzo(a)anthracene	130	190,000	340	0.350	3.40	0.590	1.20	0.570
Benzo(a)pyrene	91	190,000	46	0.330	2.60	0.560	7.90	0.640
Benzo(b)fluoranthene	76	190,000	170	0.490	3.10	0.750	9.90	0.730
Benzo(g,h,i)perylene	190,000	190,000	180	0.300	1.60	0.460	4.50	0.590
Chrysene	760	190,000	230	0.370	2.80	0.650	10	0.510
Fluorene	130,000	190,000	3,800	0.015 J	0.610	0.490	0.850	0.180
Phenanthrene	190,000	190,000	10,000	0.190	4.80	0.910	11	0.260
Pyrene	96,000	190,000	2,200	0.560	5.50	1.20	16	1.10
Lead	1,000	190,000	450	76	51	180	540	720

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All concentrations in micrograms per kilogram
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Red Shaded Value - exceeds DC MSC
Blue Shaded Value - exceeds S to G MSC



Legend

Approximate Site Boundary

0 1,000 2,000 Feet
1:24,000 (at original document size of 8.5x11)



Project Location
51st Street,
Philadelphia, PA

213403111
Prepared by GWC on 3/20/2019 Technical
Review by DH on 06/09/2021
Independent Review by MAS on 06/09/2021

Client/Project
PBF Logistics Products and Terminals LLC

Figure No.
1

Title
Site Location Map

- Notes**
1. Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet
 2. Source: Stantec
 3. Service Layer Credits: Copyright © 2013 National Geographic Society, iCubed

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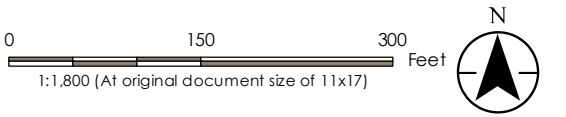


Figure No.
2
Title
Site Map

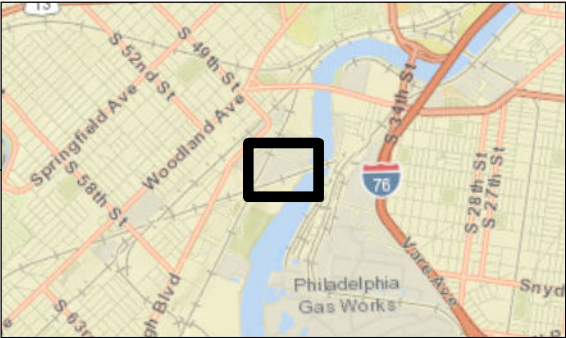
Client/Project
PBF Logistics Products and Terminals LLC

Project Location
51st Street,
Philadelphia, PA

213403111
Prepared by GWC on 3/20/2019 Technical
Review by DH on 06/09/2021
Independent Review by MAS on 06/09/2021



Legend
 Approximate Site Boundary



Notes
1. Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet
2. Source: Stantec
3. Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community
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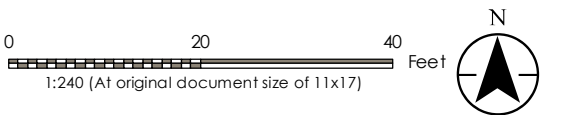


Figure No.
3
Title
Proposed AST Closure Assessment Soil Sample Locations - ASTs 1248 and 4847

Client/Project
PBF Logistics Products and Terminals LLC

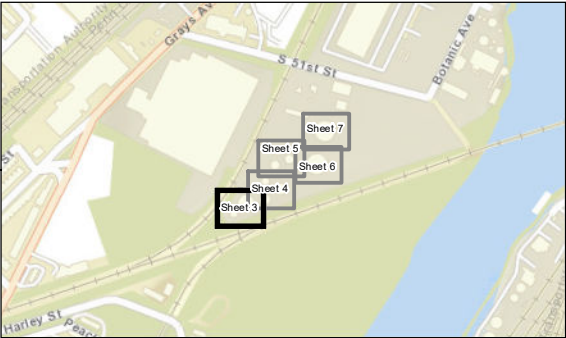
Project Location
51st Street,
Philadelphia, PA

213403451
Prepared by GWC on 10/11/2021
Technical Review by DH on 10/11/2021
Independent Review by MS on 10/11/2021



- Legend**
- Approximate Site Boundary
 - ▲ Tank Bottom Soil Sample
 - Perimeter Soil Sample
 - Piping Soil Sample
- Proposed AST Closure Assessment Soil Sample Locations**

- Notes:**
- Soil sample locations subject to change based on field conditions and/or observations
 - Input from PADEP may alter sample locations
 - Proposed soil sample depths
 - Tank bottom – 5 feet bgs
 - Perimeter – 3 feet bgs
 - Piping – 2 feet bgs
 - bgs – below ground surface



- Notes**
1. Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet
 2. Source: Stantec
 3. Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
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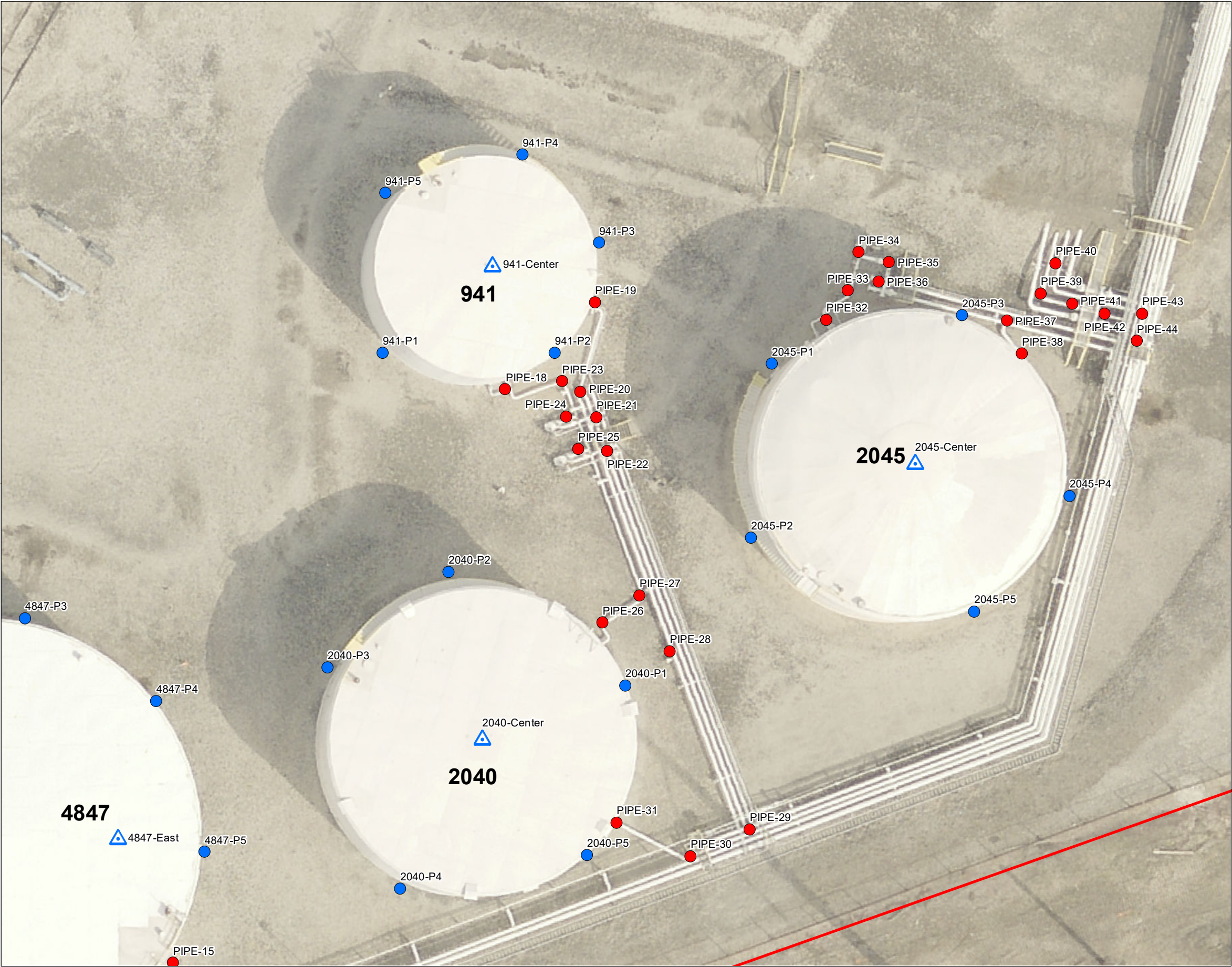
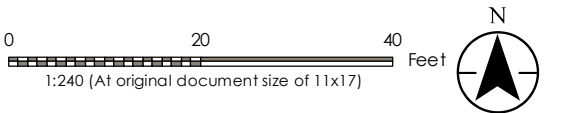


Figure No.
4
Title
Proposed AST Closure Assessment Soil Sample Locations - ASTs 941, 2040, and 2045

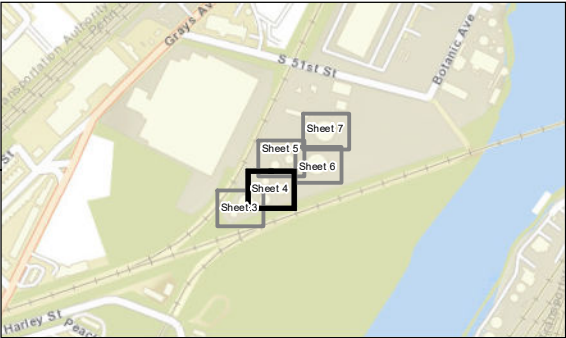
Client/Project
PBF Logistics Products and Terminals LLC

Project Location
51st Street,
Philadelphia, PA
213403451
Prepared by GWC on 10/11/2021
Technical Review by DH on 10/1/2021
Independent Review by MS on 10/11/2021



- Legend**
- Approximate Site Boundary
 - ▲ Tank Bottom Soil Sample
 - Perimeter Soil Sample
 - Piping Soil Sample
- Proposed AST Closure Assessment Soil Sample Locations**

- Notes:**
- Soil sample locations subject to change based on field conditions and/or observations
 - Input from PADEP may alter sample locations
 - Proposed soil sample depths
 - Tank bottom – 5 feet bgs
 - Perimeter – 3 feet bgs
 - Piping – 2 feet bgs
 - bgs – below ground surface



- Notes**
1. Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet
 2. Source: Stantec
 3. Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
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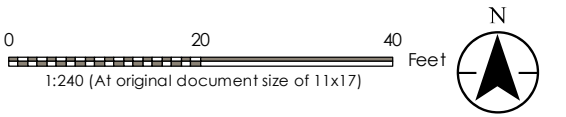




Figure No.
5
Title
**Proposed AST Closure Assessment Soil
Sample Locations - ASTs 649, 1043, and 1044**

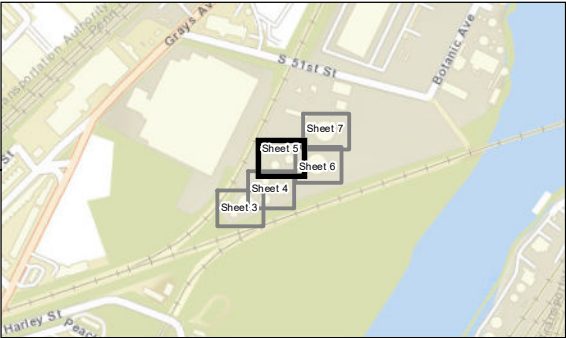
Client/Project
PBF Logistics Products and Terminals LLC

Project Location
51st Street,
Philadelphia, PA
213403451
Prepared by GWC on 10/11/2021
Technical Review by DH on 10/11/2021
Independent Review by MS on 10/11/2021



Legend
 Approximate Site Boundary
Proposed AST Closure Assessment Soil Sample Locations
 Tank Bottom Soil Sample
 Perimeter Soil Sample
 Piping Soil Sample

Notes:
• Soil sample locations subject to change based on field conditions and/or observations
• Input from PADEP may alter sample locations
• Proposed soil sample depths
- Tank bottom – 5 feet bgs
- Perimeter – 3 feet bgs
- Piping – 2 feet bgs
• bgs – below ground surface



Notes
1. Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet
2. Source: Stantec
3. Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
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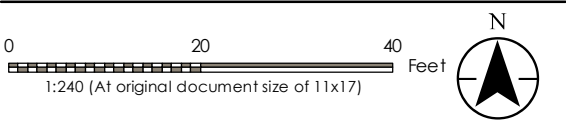
Figure No.
6

Title
Proposed AST Closure Assessment Soil Sample Locations - AST 7550

Client/Project
PBF Logistics Products and Terminals LLC

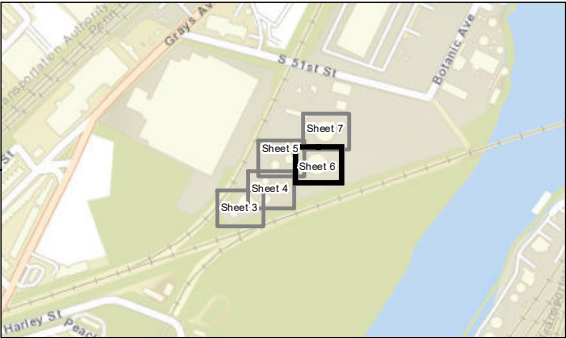
Project Location
51st Street,
Philadelphia, PA

213403451
Prepared by GWC on 10/11/2021
Technical Review by DH on 10/11/2021
Independent Review by MS on 10/11/2021



- Legend**
- Approximate Site Boundary
 - Proposed AST Closure Assessment Soil Sample Locations**
 - △ Tank Bottom Soil Sample
 - Perimeter Soil Sample
 - Piping Soil Sample

- Notes:**
- Soil sample locations subject to change based on field conditions and/or observations
 - Input from PADEP may alter sample locations
 - Proposed soil sample depths
 - Tank bottom – 5 feet bgs
 - Perimeter – 3 feet bgs
 - Piping – 2 feet bgs
 - bgs – below ground surface



- Notes**
1. Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet
 2. Source: Stantec
 3. Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
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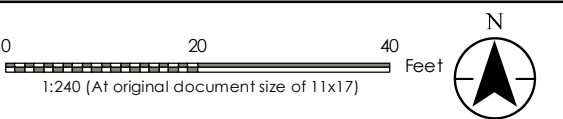
Figure No.
7

Title
Proposed AST Closure Assessment Soil Sample Locations - AST 7551

Client/Project
PBF Logistics Products and Terminals LLC

Project Location
51st Street,
Philadelphia, PA

213403451
Prepared by GWC on 10/11/2021
Technical Review by DH on 10/1/2021
Independent Review by MS on 10/11/2021



Legend

Approximate Site Boundary

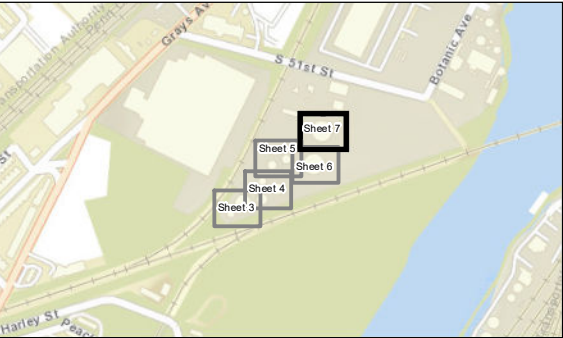
Proposed AST Closure Assessment Soil Sample Locations

Tank Bottom Soil Sample

Perimeter Soil Sample

Piping Soil Sample

- Notes:**
- Soil sample locations subject to change based on field conditions and/or observations
 - Input from PADEP may alter sample locations
 - Proposed soil sample depths
 - Tank bottom – 5 feet bgs
 - Perimeter – 3 feet bgs
 - Piping – 2 feet bgs
 - bgs – below ground surface



- Notes**
1. Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet
 2. Source: Stantec
 3. Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

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APPENDIX B

MONITORING WELL AND BORING LOGS

SOIL CORE / SAMPLING LOG

Boring/Well 1044-P4 Project/No. Alliance 51st St 30108678 Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 10/22/2021 Drilling Completed 10/22/2021

Drilling Contractor Hawk Drilling Driller Andy Helper Jesse

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5'x2" Sampling Interval 0.5 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 10 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
6.5-7	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	2.00	2.1	0-0.5	0-5' Black-grey sands with gravels, poorly sorted, dry
			4.7	0.5-1	
			5.1	1-1.5	
			2.7	1.5-2	
			3.1	2-2.5	
			4.1	2.5-3	
			3.6	3-3.5	
			4.7	3.5-4	
			1.9	4-4.5	
			4.7	4.5-5	
5	10	5.00	1.7	5-5.5	5-10' Orange brown fine silty sands with subround pebbles, poorly sorted, wet at 7'
			2.1	5.5-6	
			0.7	6-6.5	
			0.3	6.5-7	
			0.6	7-7.5	
			1	7.5-8	
			0.9	8-8.5	
			1.7	8.5-9	
			1.8	9-9.5	
			0.4	9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

Boring/Well	Pipe- 22	Project/No.	Alliance 51st St 30108678		Page	1	of	1
Site				Drilling	Drilling			
Location	1646 S 51st Street, Phila, PA			Started	10/22/2021	Completed	10/22/2021	
Drilling Contractor	Hawk Drilling			Driller	Andy	Helper	Jesse	
Drilling Fluid Used	None			Drilling Method	Direct Push			
Length and Diameter of Coring Device	5"x2"			Sampling Interval	0.5 feet			
Land-Surface Elev.		feet	<input type="checkbox"/> Surveyed	<input type="checkbox"/> Estimated	Datum			
Total Depth Drilled	15	Feet						
Prepared By	M. Hilinski							

Depth	Grab/Composite	Laboratory Analysis
13-13.5	Grab	
	Grab	

Sample/Core Depth (Feet bls)		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
From	To				
0	5	4.00	0.1	0-0.5	0-15' Black-grey fine to medium sands with subround pebbles, poorly sorted, dry Wet at 13.5'
			0.2	0.5-1	
			0.1	1-1.5	
			1.1	1.5-2	
			1.2	2-2.5	
			0.7	2.5-3	
			0.9	3-3.5	
			4.1	3.5-4	
			0.1	4-4.5	
			0.1	4.5-5	
5	10	5.00	0.2	5-5.5	
			0	5.5-6	
			0	6-6.5	
			0	6.5-7	
			0	7-7.5	
			0	7.5-8	
			0	8-8.5	
			0	8.5-9	
			0	9-9.5	
			0	9.5-10	
10	15	5.00	0	10-10.5	
			0	10.5-11	
			0	11-11.5	
			0	11.5-12	
			0	12-12.5	
			0	12.5-13	
			0	13-13.5	
			0	13.5-14	
			0	14-14.5	
			0	14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well 941-C-(11-11.5) Project/No. Alliance 51st St 30108678 Page 1 of 1

Site		Drilling	Drilling	
Location	1646 S 51st Street, Phila, PA	Started	10/22/2021	Completed 10/22/2021

Drilling			
Contractor	Hawk Drilling	Driller Andy	Helper Jesse

Drilling Fluid Used	None	Drilling Method	Direct Push
---------------------	------	-----------------	-------------

Length and Diameter of Coring Device 5'x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 13 Feet

Prepared
By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
11-11.5	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	0.1	0-0.5	
			0.3	0.5-1	
			1.1	1-1.5	
			1.7	1.5-2	
			0.1	2-2.5	
			0.7	2.5-3	
			1.7	3-3.5	
			0.6	3.5-4	
			1.3	4-4.5	
			1.4	4.5-5	
5	10	5.00	1.7	5-5.5	
			1.2	5.5-6	
			1.7	6-6.5	
			1	6.5-7	
			2.1	7-7.5	
			2.1	7.5-8	
			2	8-8.5	
			1.9	8.5-9	
			1.7	9-9.5	
			1.6	9.5-10	
10	15	5.00	1.7	10-10.5	
			1.8	10.5-11	
			1.9	11-11.5	
			2	11.5-12	
			2.1	12-12.5	
			2	12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well 2040-P2 Project/No. Alliance 51st St 30108678 Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 10/22/2021 Drilling Completed 10/22/2021

Drilling Contractor Hawk Drilling Driller Andy Helper Jesse

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
4.5-5	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	5.00	1.1	0-0.5	0-3' Black-grey fine to medium sands with subround pebbles, poorly sorted, dry Wet at 11.5
			1.2	0.5-1	
			2.1	1-1.5	
			1.1	1.5-2	
			0.1	2-2.5	
			0	2.5-3	3-5' Dark grey with briwb fine silty sands, poorly sorted, dry refusal at 5', likely concrete pad
			0	3-3.5	
			0	3.5-4	
			0	4-4.5	
5	10			4.5-5	
				5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
10	15			9-9.5	
				9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-101 Project/No. Alliance 51st St 30108678 Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 10/25/2021 Drilling Completed 10/25/2021

Drilling Contractor Hawk Drilling Driller Andy Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 7 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	5.00	101	0-0.5	0-5' Black fine to medium silty sands with subround pebbles
			287	0.5-1	
			489	1-1.5	
			150	1.5-2	
			127	2-2.5	
			129	2.5-3	
			130	3-3.5	
			87	3.5-4	
			101	4-4.5	
			87	4.5-5	
5	10	2.00	10.1	5-5.5	5-7' Yellow-green fine silty sands
			6.7	5.5-6	
			10.2	6-6.5	
			11.1	6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-102 Project/No. Alliance 51st St 30108678 Page 1 of 1

Site 1646 S 51st Street, Phila, PA Drilling Started 10/25/2021 Drilling Completed 10/25/2021

Drilling Contractor Hawk Drilling Driller Andy Helper

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5"x2" Sampling Interval 0.5 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 3 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	3.00	10.1	0-0.5	0-3' Brown black fine to medium sands with subround to subangular pebbles, poorly sorted, dry Refusal at 3'
			14.7	0.5-1	
			10.7	1-1.5	
			13.9	1.5-2	
			32.9	2-2.5	
			464	2.5-3	
				3-3.5	
				3.5-4	
				4-4.5	
5	10	2.00		4.5-5	
				5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
10	15			9-9.5	
				9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-103 Project/No. Alliance 51st St 30108678 Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 10/25/2021 Drilling Completed 10/25/2021

Drilling Contractor Hawk Drilling Driller Andy Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5'x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	3.00	1000	0-0.5	0-5' Greenish yellow fine to medium silty sands with subround to subangular pebbles, poorly sorted, damp
			1005	0.5-1	
			1200	1-1.5	
			1225	1.5-2	
			1011	2-2.5	
			1271	2.5-3	
			1361	3-3.5	
			1451	3.5-4	
			1501	4-4.5	
			1287	4.5-5	
5	10	2.00		5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-104 Project/No. Alliance 51st St 30108678 Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 10/25/2021 Drilling Completed 10/25/2021

Drilling Contractor Hawk Drilling Driller Andy Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5'x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	5.00	23.7	0-0.5	0-5' Greenish yellow fine to medium silty sands with a solvent like smell, poorly sorted, damp
			88.9	0.5-1	
			76.2	1-1.5	
			49.7	1.5-2	
			87.1	2-2.5	
			99.1	2.5-3	
			1011	3-3.5	
			1217	3.5-4	
			1341	4-4.5	
			1079	4.5-5	
5	10	2.00		5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-105 Project/No. Alliance 51st St 30108678 Page 1 of 1

Site 1646 S 51st Street, Phila, PA Drilling Started 10/25/2021 Drilling Completed 10/25/2021

Drilling Contractor Hawk Drilling Driller Andy Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5'x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	5.00	107	0-0.5	0-4' Brown fine to medium silty sands with some subround pebbles, poorly sorted, dry
			110	0.5-1	
			112	1-1.5	
			101	1.5-2	
			121	2-2.5	
			147	2.5-3	
			107	3-3.5	
			114	3.5-4	
			111	4-4.5	4-5' Black fine to medium sands
			121	4.5-5	
5	10	2.00		5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-106 Project/No. Alliance 51st St 30108678 Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 10/25/2021 Drilling Completed 10/25/2021

Drilling Contractor Hawk Drilling Driller Andy Helper

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	1.1	0-0.5	0-5' Brown black fine to medium sands with subround to subangular pebbles, poorly sorted, dry
			1.4	0.5-1	
			2.6	1-1.5	
			9.7	1.5-2	
			2.7	2-2.5	
			4.8	2.5-3	
			3.9	3-3.5	
			2.7	3.5-4	
			4.1	4-4.5	
			6.9	4.5-5	
5	10	2.00		5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	

				12.5-13
				13-13.5
				13.5-14
				14-14.5
				14.5-15

SOIL CORE / SAMPLING LOG

Boring/Well SB-107 Project/No. Alliance 51st St 30108678 Page 1 of 1

Site 1646 S 51st Street, Phila, PA Drilling Started 10/25/2021 Drilling Completed 10/25/2021

Drilling Contractor Hawk Drilling Driller Andy Helper

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5"x2" Sampling Interval 0.5 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
	Grab	
	Grab	

Soil Characterization:

Sample/Core Depth (Feet bls) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	1.1	0-0.5	0-5' Black fine to medium silty sands with some subround to subangular pebbles, poorly sorted, dry
			1.4	0.5-1	
			1.8	1-1.5	
			2.1	1.5-2	
			0.7	2-2.5	
			1.2	2.5-3	
			1.1	3-3.5	
			0.7	3.5-4	
			1.9	4-4.5	
5	10	2.00	1.7	4.5-5	
				5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
10	15			9-9.5	
				9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-201 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/16/2022 Drilling Completed 3/16/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 10 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
8.5-9	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bsl) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	1.1	0-0.5	0-4" Asphalt drive
			2.6	0.5-1	4"-4' Black fine silty sands with subround to subangular pebbles, poorly sorted, dry
			10.7	1-1.5	
			107	1.5-2	
			361	2-2.5	
			247	2.5-3	
			307	3-3.5	
			325	3.5-4	4-5' Concrete fragments
			340	4-4.5	
5	10	4.00	407	4.5-5	5-10' Brown to black fine silty sands with concrete fragments, poorly sorted, wet at 9'
			381	5-5.5	
			330	5.5-6	
			321	6-6.5	
			407	6.5-7	
			491	7-7.5	
			387	7.5-8	
			420	8-8.5	
			591	8.5-9	
			381	9-9.5	
10	15		320	9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-202 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/16/2022 Drilling Completed 3/16/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 10 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
8.5-9	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	1.1	0-0.5	0-4" Asphalt drive 4"-5' Black fine silty sands with subround to subangular pebbles, poorly sorted, dry
			2.1	0.5-1	
			40.1	1-1.5	
			107	1.5-2	
			289	2-2.5	
			421	2.5-3	
			801	3-3.5	
			921	3.5-4	
			524	4-4.5	
			907	4.5-5	
5	10	4.00	951	5-5.5	5-10' Black fine silty sands with subround to subangular pebbles, poorly sorted, wet at 9'
			561	5.5-6	
			685	6-6.5	
			721	6.5-7	
			649	7-7.5	
			807	7.5-8	
			921	8-8.5	
			1074	8.5-9	
			621	9-9.5	
			407	9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-203 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/16/2022 Drilling Completed 3/16/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 10 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
8.5-9	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	0.7	0-0.5	0-4" Asphalt drive
			10.1	0.5-1	4"-3' Brown fine silty sands
			10.7	1-1.5	
			30.1	1.5-2	
			107	2-2.5	
			402	2.5-3	
			306	3-3.5	3-10' Black fine silty sands wet at 9'
			325	3.5-4	
			501	4-4.5	
			462	4.5-5	
5	10	4.00	301	5-5.5	
			297	5.5-6	
			384	6-6.5	
			447	6.5-7	
			482	7-7.5	
			407	7.5-8	
			727	8-8.5	
			1001	8.5-9	
			681	9-9.5	
			420	9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-204 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/16/2022 Drilling Completed 3/16/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5'x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 10 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
8.5-9	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	10.1	0-0.5	0-4" Asphalt drive
			27.6	0.5-1	
			37.1	1-1.5	
			107	1.5-2	
			261	2-2.5	
			282	2.5-3	
			311	3-3.5	
			289	3.5-4	
			346	4-4.5	
5	10	4.50	391	4.5-5	4"-10' Black fine silty sands with mica fragments, poorly sorted, wet at 9'
			307	5-5.5	
			324	5.5-6	
			607	6-6.5	
			511	6.5-7	
			407	7-7.5	
			860	7.5-8	
			941	8-8.5	
			1201	8.5-9	
10	15		821	9-9.5	
			481	9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-205 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/16/2022 Drilling Completed 3/16/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
3.5-4	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	0.1	0-0.5	0-4.5' Brown fine silty sands with mica fragments, wet at 4'
			0.6	0.5-1	
			1.1	1-1.5	
			4.2	1.5-2	
			9.1	2-2.5	
			10.7	2.5-3	
			66.1	3-3.5	
			187	3.5-4	
			287	4-4.5	
5	10		640	4.5-5	4.5-5' Light greenish yellow fine silty sands, wet
				5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
10	15			9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-206 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 10 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
2.5-3	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	0	0-0.5	0-2" Gravel
			1.6	0.5-1	2"-2.5' Brown fine silty sands with mica fragments
			2.7	1-1.5	
			3.1	1.5-2	
			46.7	2-2.5	
			10.7	2.5-3	2.5-10' Light greenish yellow fine silty sands, wet at 3'
			0.7	3-3.5	
			1.4	3.5-4	
			1.9	4-4.5	
			6.7	4.5-5	
5	10	5.00	10.1	5-5.5	
			1.1	5.5-6	
			2.7	6-6.5	
			3.4	6.5-7	
			2.6	7-7.5	
			1.7	7.5-8	
			1.9	8-8.5	
			1.6	8.5-9	
			0.9	9-9.5	
			1.7	9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-207 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
4-4.5	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	0	0-0.5	0-2" Gravel
			1.9	0.5-1	2"-4' Brown fine silty sands with major subangular to subround pebbles, mica fragments, poorly sorted, dry
			3.1	1-1.5	
			2.7	1.5-2	
			5.9	2-2.5	
			10.4	2.5-3	
			24.7	3-3.5	
			35.2	3.5-4	
			40.8	4-4.5	4-5' Dark grey fine silty sands with trace subround to subangular pebbles, poorly sorted, wet at 4.5'
			9.1	4.5-5	
5	10	5.00		5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-208 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
4-4.5	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	0.2	0-0.5	0-1" Dark brown medium sands
			0	0.5-1	1"-2.5' Light brown fine to medium silty sands with subround to subangular pebbles, poorly sorted, dry
			0	1-1.5	
			0	1.5-2	
			0	2-2.5	
			0	2.5-3	2.5-3' Concrete
			0	3-3.5	3-5' Black fine silty sands with mica fragments, wet at 4.5'
			0	3.5-4	
			0	4-4.5	
5	10	5.00	0	4.5-5	
				5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
10	15			9-9.5	
				9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-209 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 10 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
3.5-4	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	3.50	0.3	0-0.5	0-2" Gravels
			0	0.5-1	2"-4' Dark brown fine silty sands with mica fragments, poorly sorted, dry
			0	1-1.5	
			0.1	1.5-2	
			0.1	2-2.5	
			1.6	2.5-3	
			1.7	3-3.5	
			1.9	3.5-4	
			0	4-4.5	4-10' Green yellow fine silty sands, wet at 4'
5	10	5.00	0.7	4.5-5	
			0.1	5-5.5	
			0	5.5-6	
			0	6-6.5	
			0	6.5-7	
			0	7-7.5	
			0	7.5-8	
			0	8-8.5	
			0	8.5-9	
			0	9-9.5	
10	15			9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-210 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
4-4.5	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	0	0-0.5	0-2" Gravels
			0	0.5-1	2"-1' Brick material
			0	1-1.5	1-5' Brown silty clays, wet at 4.5'
			0	1.5-2	
			0	2-2.5	
			0	2.5-3	
			0	3-3.5	
			0	3.5-4	
			0	4-4.5	
			0	4.5-5	
5	10			5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-211 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
3.5-4	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	3.50	0	0-0.5	0-2" Gravels
			0	0.5-1	2"-3' Brick and gravel
			0	1-1.5	
			0	1.5-2	
			0	2-2.5	
			0	2.5-3	
			0	3-3.5	3-5' Brown fine silty sands with clay, wet at 4 '
			0	3.5-4	
			0	4-4.5	
5	10			4.5-5	
				5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
10	15			9-9.5	
				9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-212 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
4.5-5	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	3.50	0.1	0-0.5	0-2" Brown medium sands
			0.1	0.5-1	
			0	1-1.5	
			0	1.5-2	
			0	2-2.5	2"-3' Gravels
			0	2.5-3	
			0	3-3.5	
			0	3.5-4	
			0	4-4.5	
5	10		0	4.5-5	3-5' Brown fine silty sands with mica, poorly sorted, wet at 5'
				5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
10	15			9-9.5	
				9.5-10	
				10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-213 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
4-4.5	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	4.00	0	0-0.5	0-2" Gravels
			0	0.5-1	2"-2' Brown fine silty sands with mica, poorly sorted, dry
			0	1-1.5	
			0.7	1.5-2	
			8.1	2-2.5	2-5' Black silty clays with trace sub angular gravels, poorly sorted, wet at 4.5'
			5.1	2.5-3	
			3.7	3-3.5	
			9.2	3.5-4	
			18.7	4-4.5	
			10.1	4.5-5	
5	10			5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-214 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
4-4.5	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	3.50	0	0-0.5	0-2" Gravels
			0	0.5-1	2"-4.5' Brown fine silty sands with some subround to subangular pebbles, mica, poorly sorted, wet at 4.5'
			0	1-1.5	
			0	1.5-2	
			0	2-2.5	
			1.1	2.5-3	
			0.2	3-3.5	
			1.7	3.5-4	
			5.8	4-4.5	
			2.1	4.5-5	4.5-5' Black silty sands with clay
5	10			5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-215 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
4.5-5	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	3.50	0	0-0.5	0-2" Gravels
			0	0.5-1	2"-3' Brown fine silty sands, some yellowish green coloring, poorly sorted, dry
			0	1-1.5	
			0	1.5-2	
			0.4	2-2.5	
			0.6	2.5-3	
			1.2	3-3.5	3-5' Black silty clay, wet at 5'
			2.2	3.5-4	
			6.1	4-4.5	
			11.7	4.5-5	
5	10			5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-216 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 5 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
4.5-5	Grab	VOCs

Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	3.50	0	0-0.5	0-2" Gravels
			0	0.5-1	2"-4' Brown fine silty sands with mica, subround to subangular pebbles, poorly sorted, wet at 4'
			0	1-1.5	
			0	1.5-2	
			0	2-2.5	
			0.7	2.5-3	
			1.2	3-3.5	
			6.6	3.5-4	
			1.4	4-4.5	4-5' Green yellow fine silty sands
			0.5	4.5-5	
5	10			5-5.5	
				5.5-6	
				6-6.5	
				6.5-7	
				7-7.5	
				7.5-8	
				8-8.5	
				8.5-9	
				9-9.5	
				9.5-10	
10	15			10-10.5	
				10.5-11	
				11-11.5	
				11.5-12	
				12-12.5	
				12.5-13	
				13-13.5	
				13.5-14	
				14-14.5	
				14.5-15	

SOIL CORE / SAMPLING LOG

Boring/Well SB-217 Project/No. Alliance 51st St 30108678.03C Page 1 of 1

Site Location 1646 S 51st Street, Phila, PA Drilling Started 3/17/2022 Drilling Completed 3/17/2022

Drilling Contractor Hawk Drilling Driller Ted Helper _____

Drilling Fluid Used None Drilling Method Direct Push

Length and Diameter of Coring Device 5x2" Sampling Interval 0.5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled 15 Feet

Prepared By M. Hilinski

Sampling Data:

Depth	Grab/Composite	Laboratory Analysis
8.5-9	Grab	VOCs

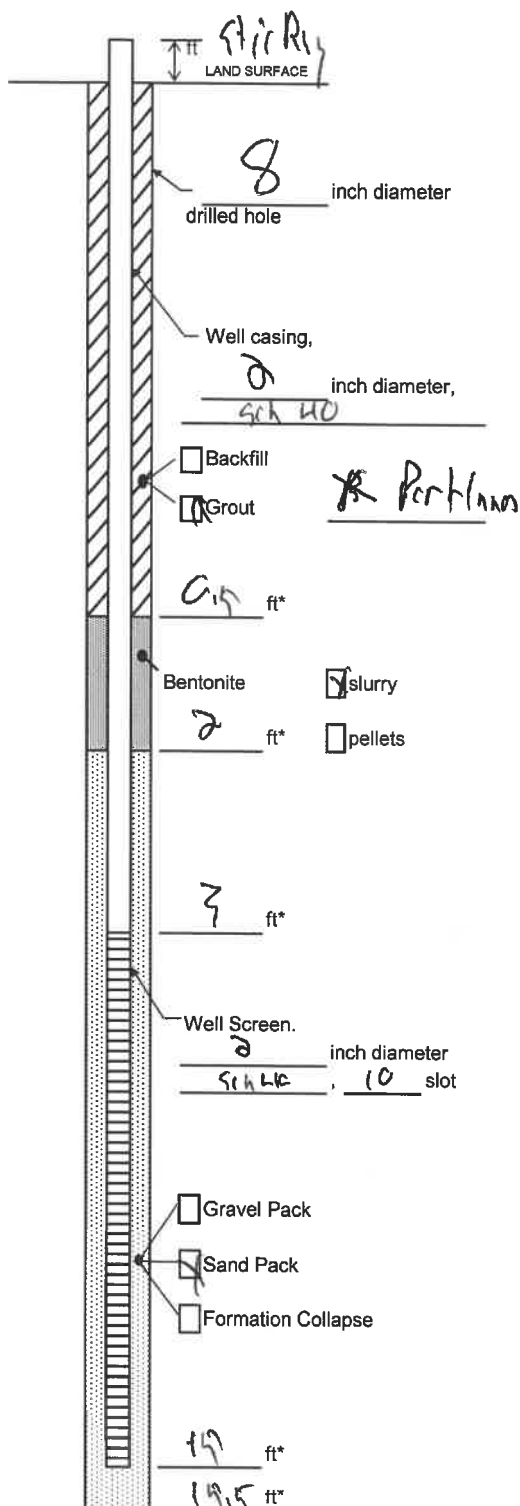
Soil Characterization:

Sample/Core Depth (Feet bbs) From To		Core Recovery (Feet)	PID Reading (ppm)	Core Interval (Feet)	Sample/Core Description
0	5	3.50	10.7	0-0.5	0-4" Asphalt drive
			25.2	0.5-1	
			80	1-1.5	
			84	1.5-2	
			91	2-2.5	
			80	2.5-3	
			60	3-3.5	
			261	3.5-4	
			381	4-4.5	
			497	4.5-5	
5	10	5.00	501	5-5.5	
			162	5.5-6	
			149	6-6.5	
			211	6.5-7	
			207	7-7.5	
			721	7.5-8	
			841	8-8.5	
			981	8.5-9	
			649	9-9.5	
10	15	5.00	790	9.5-10	
			321	10-10.5	4"-15' Dark grey to black fine silty sands with gravel, wet at 9'
			317	10.5-11	
			201	11-11.5	
			99	11.5-12	
			107	12-12.5	
			47	12.5-13	
			38	13-13.5	
			21	13.5-14	
			18	14-14.5	
			20	14.5-15	

ARCADIS

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project Alliance 91st St Well MW-7
Town/City Phila, Pa
County Philadelphia State Pa
Permit No. _____

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed
☐ Estimated

Installation Date(s) 7/16/22

Drilling Method HSA

Drilling Contractor Hank

Drilling Fluid _____

Development Technique(s) and Date(s)

Purge / Surge 7/17/22

Fluid Loss During Drilling _____ gallons

Water Removed During Development 50 gallons

Static Depth to Water 6.07 feet below M.P.

Pumping Depth to Water Varies feet below M.P.

Pumping Duration 1 hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose Monitoring

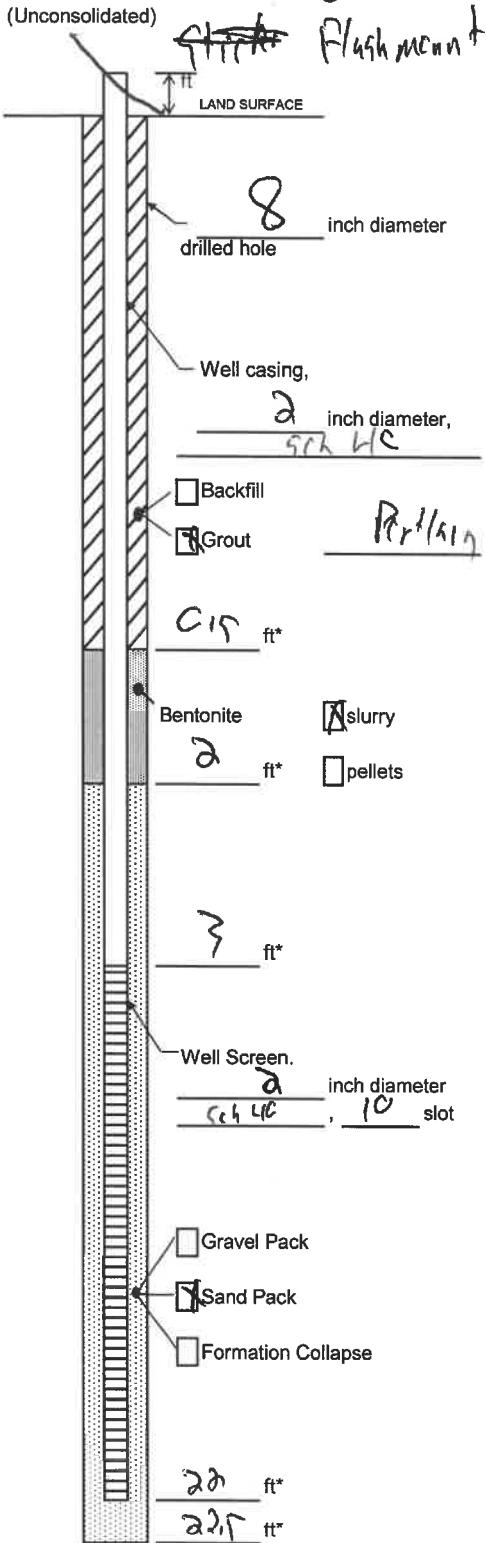
Remarks _____

Prepared by M. Hilinski

ARCADIS

Well Construction Log

(Unconsolidated)



Measuring Point is Top of Well Casing Unless Otherwise Noted.
* Depth Below Land Surface

Project Alliance 51st Street Well MW-8

Town/City Phila Phila, Pa

County Phila State Pa

Permit No. _____

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed

_____ feet ☐ Estimated

Installation Date(s) 3/16/22

Drilling Method 145A

Drilling Contractor Hawthorn

Drilling Fluid Water

Development Technique(s) and Date(s)

Surge / Surge 3/16/22

Fluid Loss During Drilling _____ gallons

Water Removed During Development 40 gallons

Static Depth to Water 4.52 feet below M.P.

Pumping Depth to Water Water feet below M.P.

Pumping Duration 1 hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose Monitoring

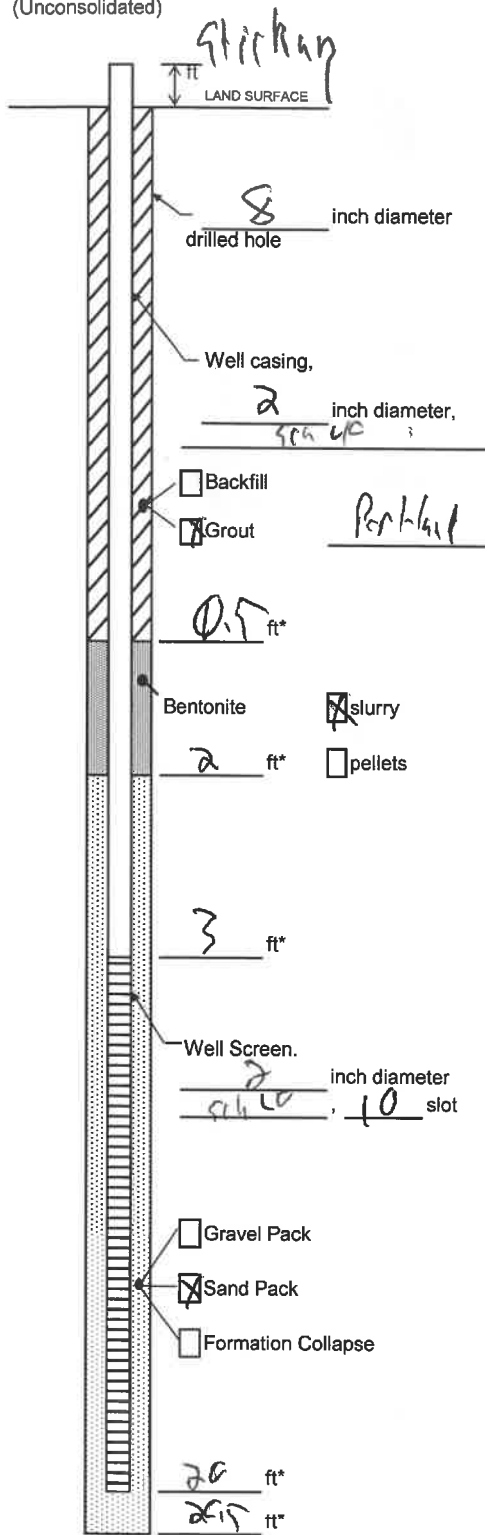
Remarks Flash mount

Prepared by M. Hilinski

ARCADIS

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project Alliance 5/1st St Well MV-9

Town/City Phila, Pa

County Phila State Pa

Permit No. _____

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed

☐ Estimated

Installation Date(s) 3/16/22

Drilling Method 125W

Drilling Contractor Hawth

Drilling Fluid Mud

Development Technique(s) and Date(s)

Purge / Surge 3/16/22

Fluid Loss During Drilling — gallons

Water Removed During Development 50 gallons

Static Depth to Water 10.26 feet below M.P.

Pumping Depth to Water Variable feet below M.P.

Pumping Duration 1 hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose Monitoring

Remarks _____

Prepared by M. Hilinski

APPENDIX C

LABORATORY REPORTS



ANALYTICAL REPORT

Lab Number:	L2158069
Client:	Arcadis U.S., Inc 1 Harvard Way Suite 5 Hillsborough, NJ 08844
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	ALLIANCE 91ST STREET
Project Number:	30108678.01
Report Date:	11/05/21

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

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



Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2158069-01	TW-1	WATER	PHILA, PA	10/22/21 12:50	10/22/21
L2158069-02	TW-2	WATER	PHILA, PA	10/22/21 13:25	10/22/21
L2158069-03	TW-3	WATER	PHILA, PA	10/22/21 13:35	10/22/21
L2158069-04	TW-5	WATER	PHILA, PA	10/22/21 14:00	10/22/21
L2158069-05	PIPE 22 (13-13.5)	SOIL	PHILA, PA	10/22/21 11:50	10/22/21
L2158069-06	2040-P2 (4.5-5)	SOIL	PHILA, PA	10/22/21 11:45	10/22/21
L2158069-07	941 CENTER (11-11.5)	SOIL	PHILA, PA	10/22/21 11:15	10/22/21
L2158069-08	1044-P4 (6.5-7)	SOIL	PHILA, PA	10/22/21 10:45	10/22/21
L2158069-09	FIELD BLANK	WATER	PHILA, PA	10/22/21 14:20	10/22/21
L2158069-10	TRIP BLANK	WATER	PHILA, PA	10/22/21 00:00	10/22/21
L2158069-11	DUP-1	SOIL	PHILA, PA	10/22/21 00:00	10/22/21

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

Case Narrative

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

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

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

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

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

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

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2158069-05: Sample containers for for Hold Sample VOC 8260 analysis were received for the "PIPE 22 (13-13.5)" sample, but were not listed on the chain of custody. At the client's request, the analysis was not performed.

L2158069-06: Sample containers for Hold Sample for VOC 8260 analysis were received for the "2040-P2 (4.5-5)" sample, but were not listed on the chain of custody. At the client's request, the analysis was not performed.

L2158069-08: Sample containers for Hold Sample for VOC 8260 analysis were received for the "1044-P4 (6.5-7)" sample, but were not listed on the chain of custody. At the client's request, the analysis was not performed.

L2158069-11: A sample identified as "DUP-1" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

Volatile Organics

L2158069-01D and -04: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

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:



Sebastian Corbin

Title: Technical Director/Representative

Date: 11/05/21

ORGANICS

VOLATILES

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

SAMPLE RESULTS

Lab ID: L2158069-01 **D**
Client ID: TW-1
Sample Location: PHILA, PA

Date Collected: 10/22/21 12:50
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/02/21 15:07
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	65		ug/l	10	3.2	20
1,2,4-Trimethylbenzene	320		ug/l	50	3.8	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	106		70-130

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

SAMPLE RESULTS

Lab ID: L2158069-03
Client ID: TW-3
Sample Location: PHILA, PA

Date Collected: 10/22/21 13:35
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/02/21 15:33
Analyst: LAC

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

1,2,4-Trimethylbenzene	1.1	J	ug/l	2.5	0.19	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	86		70-130

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

SAMPLE RESULTS

Lab ID: L2158069-04
Client ID: TW-5
Sample Location: PHILA, PA

Date Collected: 10/22/21 14:00
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/02/21 16:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	0.36	J	ug/l	0.50	0.16	1
1,2,4-Trimethylbenzene	1.5	J	ug/l	2.5	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	123		70-130

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

SAMPLE RESULTS

Lab ID: L2158069-09
Client ID: FIELD BLANK
Sample Location: PHILA, PA

Date Collected: 10/22/21 14:20
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/02/21 16:26
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	114		70-130

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

SAMPLE RESULTS

Lab ID: L2158069-10
Client ID: TRIP BLANK
Sample Location: PHILA, PA

Date Collected: 10/22/21 00:00
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/02/21 16:53
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	119		70-130

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/02/21 11:03
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04,09-10 Batch: WG1566554-5					
Benzene	ND		ug/l	0.50	0.16
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	113		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 91ST STREET

Lab Number: L2158069

Project Number: 30108678.01

Report Date: 11/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04,09-10 Batch: WG1566554-3 WG1566554-4								
Benzene	97		97		70-130	0		20
1,2,4-Trimethylbenzene	87		90		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	88		93		70-130
Dibromofluoromethane	106		104		70-130

SEMIVOLATILES

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

SAMPLE RESULTS

Lab ID: L2158069-07
Client ID: 941 CENTER (11-11.5)
Sample Location: PHILA, PA

Date Collected: 10/22/21 11:15
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/21 06:20
Analyst: JRW
Percent Solids: 71%

Extraction Method: EPA 3546
Extraction Date: 11/03/21 09:53

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

Benzo(a)pyrene	ND		mg/kg	0.19	0.057	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		30-120
4-Terphenyl-d14	38		18-120

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/03/21 22:28
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 11/03/21 09:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1566536-1					
Benzo(a)pyrene	ND		mg/kg	0.13	0.040

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	70		18-120

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1566536-2 WG1566536-3								
Benzo(a)pyrene	80		84		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		74		25-120
Phenol-d6	75		75		10-120
Nitrobenzene-d5	68		70		23-120
2-Fluorobiphenyl	75		75		30-120
2,4,6-Tribromophenol	89		92		10-136
4-Terphenyl-d14	84		87		18-120

METALS

Project Name: ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21**SAMPLE RESULTS**

Lab ID: L2158069-02

Date Collected: 10/22/21 13:25

Client ID: TW-2

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	0.9818	J	ug/l	1.000	0.3430	1	11/01/21 19:45	11/04/21 21:25	EPA 3005A	1,6020B	PS



Project Name: ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21**SAMPLE RESULTS**

Lab ID: L2158069-05

Date Collected: 10/22/21 11:50

Client ID: PIPE 22 (13-13.5)

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	1520		mg/kg	2.47	0.132	1	10/28/21 21:26	10/29/21 14:53	EPA 3050B	1,6010D	GD



Project Name: ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21**SAMPLE RESULTS**

Lab ID: L2158069-06

Date Collected: 10/22/21 11:45

Client ID: 2040-P2 (4.5-5)

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	2.12		mg/kg	2.07	0.111	1	10/28/21 21:26	10/29/21 14:57	EPA 3050B	1,6010D	GD



Project Name: ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21**SAMPLE RESULTS**

Lab ID: L2158069-08

Date Collected: 10/22/21 10:45

Client ID: 1044-P4 (6.5-7)

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	226		mg/kg	2.89	0.155	1	10/28/21 21:26	10/29/21 13:38	EPA 3050B	1,6010D	GD



Project Name: ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21**SAMPLE RESULTS**

Lab ID: L2158069-09

Date Collected: 10/22/21 14:20

Client ID: FIELD BLANK

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	ND		ug/l	1.000	0.3430	1	10/26/21 04:58	11/02/21 19:14	EPA 3005A	1,6020B	PS



Project Name: ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21**SAMPLE RESULTS**

Lab ID: L2158069-11

Date Collected: 10/22/21 00:00

Client ID: DUP-1

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	1.63	J	mg/kg	2.04	0.110	1	10/29/21 20:57	11/01/21 12:58	EPA 3050B	1,6010D	SV



Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 09 Batch: WG1561405-1										
Lead, Total	ND		ug/l	1.000	0.3430	1	10/26/21 04:58	11/02/21 20:22	1,6020B	PS

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05-06,08 Batch: WG1564387-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	10/28/21 21:26	10/29/21 13:29	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02 Batch: WG1564853-1										
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	11/01/21 19:45	11/04/21 19:46	1,6020B	PS

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 11 Batch: WG1564921-1										
Lead, Total	0.108	J	mg/kg	2.00	0.107	1	10/29/21 20:57	11/01/21 11:39	1,6010D	SV

Project Name: ALLIANCE 91ST STREET

Lab Number: L2158069

Project Number: 30108678.01

Report Date: 11/05/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 91ST STREET

Project Number: 30108678.01

Lab Number: L2158069

Report Date: 11/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1561405-2								
Lead, Total	93		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 05-06,08 Batch: WG1564387-2 SRM Lot Number: D109-540								
Lead, Total	91		-		72-128	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1564853-2								
Lead, Dissolved	98		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 11 Batch: WG1564921-2 SRM Lot Number: D109-540								
Lead, Total	97		-		72-128	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1561405-3 QC Sample: L2157138-01 Client ID: MS Sample												
Lead, Total	ND	530	518.1	98		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 05-06,08 QC Batch ID: WG1564387-3 QC Sample: L2158883-01 Client ID: MS Sample												
Lead, Total	3.03J	43.2	43.5	100		-	-		75-125	-		20
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1564853-3 QC Sample: L2158069-02 Client ID: TW-2												
Lead, Dissolved	0.9818J	530	532.8	100		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1564921-3 QC Sample: L2158960-01 Client ID: MS Sample												
Lead, Total	13.2	52.2	57.2	84		-	-		75-125	-		20

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2158069
Report Date: 11/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05-06,08 QC Batch ID: WG1564387-4 QC Sample: L2158883-01 Client ID: DUP Sample						
Lead, Total	3.03J	3.47J	mg/kg	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1564853-4 QC Sample: L2158069-02 Client ID: TW-2						
Lead, Dissolved	0.9818J	0.9661J	ug/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1564921-4 QC Sample: L2158960-01 Client ID: DUP Sample						
Lead, Total	13.2	15.7	mg/kg	17		20

INORGANICS & MISCELLANEOUS

Project Name: ALLIANCE 91ST STREET

Project Number: 30108678.01

Lab Number: L2158069

Report Date: 11/05/21

SAMPLE RESULTS

Lab ID: L2158069-05

Client ID: PIPE 22 (13-13.5)

Sample Location: PHILA, PA

Date Collected: 10/22/21 11:50

Date Received: 10/22/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	10/23/21 08:56	121,2540G	RI



Project Name: ALLIANCE 91ST STREET**Project Number:** 30108678.01**Lab Number:** L2158069**Report Date:** 11/05/21**SAMPLE RESULTS****Lab ID:** L2158069-06**Client ID:** 2040-P2 (4.5-5)**Sample Location:** PHILA, PA**Date Collected:** 10/22/21 11:45**Date Received:** 10/22/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	10/23/21 08:56	121,2540G	RI



Project Name: ALLIANCE 91ST STREET**Project Number:** 30108678.01**Lab Number:** L2158069**Report Date:** 11/05/21**SAMPLE RESULTS****Lab ID:** L2158069-07**Client ID:** 941 CENTER (11-11.5)**Sample Location:** PHILA, PA**Date Collected:** 10/22/21 11:15**Date Received:** 10/22/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.5		%	0.100	NA	1	-	10/23/21 08:56	121,2540G	RI



Project Name: ALLIANCE 91ST STREET**Project Number:** 30108678.01**Lab Number:** L2158069**Report Date:** 11/05/21**SAMPLE RESULTS****Lab ID:** L2158069-08**Client ID:** 1044-P4 (6.5-7)**Sample Location:** PHILA, PA**Date Collected:** 10/22/21 10:45**Date Received:** 10/22/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.2		%	0.100	NA	1	-	10/23/21 08:56	121,2540G	RI



Project Name: ALLIANCE 91ST STREET**Project Number:** 30108678.01**Lab Number:** L2158069**Report Date:** 11/05/21**SAMPLE RESULTS****Lab ID:** L2158069-11**Client ID:** DUP-1**Sample Location:** PHILA, PA**Date Collected:** 10/22/21 00:00**Date Received:** 10/22/21**Field Prep:** Refer to COC**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.6		%	0.100	NA	1	-	11/02/21 11:10	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: ALLIANCE 91ST STREET

Project Number: 30108678.01

Lab Number: L2158069

Report Date: 11/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05-08 QC Batch ID: WG1562240-1 QC Sample: L2157967-05 Client ID: DUP Sample						
Solids, Total	93.2	92.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG1566003-1 QC Sample: L2157814-03 Client ID: DUP Sample						
Solids, Total	72.1	70.7	%	2		20

Project Name: ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158069-01A	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-01B	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-01C	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-02A	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		PB-6020S-PPB(180)
L2158069-03A	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-03B	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-03C	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-04A	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-04B	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-04C	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-05A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-05B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-05C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-05D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2158069-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)
L2158069-05X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-05Y	Vial Water preserved split	A	NA		2.2	Y	Absent	23-OCT-21 08:23	HOLD-8260HLW(14)
L2158069-05Z	Vial Water preserved split	A	NA		2.2	Y	Absent	23-OCT-21 08:23	HOLD-8260HLW(14)
L2158069-06A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-06B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-06C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-06D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2158069-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)

Project Name: ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158069-06X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-06Y	Vial Water preserved split	A	NA		2.2	Y	Absent	23-OCT-21 08:23	HOLD-8260HLW(14)
L2158069-06Z	Vial Water preserved split	A	NA		2.2	Y	Absent	23-OCT-21 08:23	HOLD-8260HLW(14)
L2158069-07A	Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		TS(7),PA-PAH(14)
L2158069-07B	Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		HOLD-CONTINGENCY(14)
L2158069-08A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-08B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-08C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-08D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2158069-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)
L2158069-08X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		HOLD-8260HLW(14)
L2158069-08Y	Vial Water preserved split	A	NA		2.2	Y	Absent	23-OCT-21 08:23	HOLD-8260HLW(14)
L2158069-08Z	Vial Water preserved split	A	NA		2.2	Y	Absent	23-OCT-21 08:23	HOLD-8260HLW(14)
L2158069-09A	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-09B	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-09C	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-09D	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		PB-6020T-PPB(180)
L2158069-10A	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-10B	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2158069-11A	Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)
L2158069-11X	Glass 60ml unpreserved split	A	NA		2.2	Y	Absent		TS(7)

Project Name: ALLIANCE 91ST STREET**Lab Number:** L2158069**Project Number:** 30108678.01**Report Date:** 11/05/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 91ST STREET
Project Number: 30108678.01

Lab Number: L2158069
Report Date: 11/05/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 19

Department: **Quality Assurance**

Published Date: 4/2/2021 1:14:23 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,


3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW JERSEY CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 10/23/21		ALPHA Job # L2158069	
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: Allstate 5th Street Project Location: Phila, PA Project # 30106678.01 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #	
Client Information Client: Arcadia Address: 1 Harvard Way Ste 9 Hillsborough, MA Phone: 908-926-1100 Fax: Email: Larry.Bunt@arcadia.com		Project Manager: Larry Bunt ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other		Site Information Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product:			
These samples have been previously analyzed by Alpha <input type="checkbox"/>		For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2		For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011		Other project specific requirements/comments: Please specify Metals or TAL.		ANALYSIS Benzene 1,2,4-trimethylbenzene Lead Lead Lead Lead Lead	
Sample Filtration <input checked="" type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)		Sample Specific Comments		Total Bottles					
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
58069-01 -02 -03 -04 -05 -06 -07 -08 -09 -10		TW-1 TW-2 TW-3 TW-4 Rine 22 (13-13.5) 2040-PA (4.5-5) 941 Center (11-11.5) 1044-PH (6.5-7) Rine 22 Rine 22		10/22/21 1240 1325 1325 1400 1150 1145 1115 1045 1420		AG AG AG AG AG AG AG AG AG		mt mt mt mt mt mt mt mt mt	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Form No: 01-14 HC (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time	
10/22/21 1516		10/22/21 1800		10/22/21 1800		10/22/21 1800		10/22/21 1800	
10/22/21 1800		10/22/21 1800		10/22/21 1800		10/22/21 1800		10/22/21 1800	
10/22/21 1800		10/22/21 1800		10/22/21 1800		10/22/21 1800		10/22/21 1800	



ANALYTICAL REPORT

Lab Number:	L2158070
Client:	Arcadis U.S., Inc 1 Harvard Way Suite 5 Hillsborough, NJ 08844
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	ALLIANCE 51ST STREET
Project Number:	30108678.01
Report Date:	11/11/21

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

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



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2158070-01	TW-1	WATER	PHILA, PA	10/22/21 12:50	10/22/21
L2158070-02	TW-2	WATER	PHILA, PA	10/22/21 13:25	10/22/21
L2158070-03	TW-3	WATER	PHILA, PA	10/22/21 13:35	10/22/21
L2158070-04	TW-5	WATER	PHILA, PA	10/22/21 14:00	10/22/21

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

Case Narrative

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

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

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

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

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

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

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

Case Narrative (continued)

Report Revision

November 11, 2021: The Volatile Organics analyte list has been amended on L2158070-01 through -04. In addition, TICs have been added.

Report Submission

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

Sample Receipt

L2158070-03E and -04E: An extra sample container for Total Metals was received.

Volatile Organics

L2158070-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (137%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2158070-04: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

Volatile Organics by SIM

L2158070-01 and -04: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

Total Metals

L2158070-01: The sample has elevated detection limits due to the dilution required by the sample matrix.

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

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 11/11/21

ORGANICS

VOLATILES

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-01
Client ID: TW-1
Sample Location: PHILA, PA

Date Collected: 10/22/21 12:50
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/04/21 15:08
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	0.72	J	ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	78		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	66		ug/l	0.50	0.16	1
1,2-Dichloroethane	1.5		ug/l	0.50	0.13	1
Methyl cyclohexane	110		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-01
Client ID: TW-1
Sample Location: PHILA, PA

Date Collected: 10/22/21 12:50
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	95		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	0.88		ug/l	0.50	0.18	1
Ethylbenzene	79		ug/l	0.50	0.17	1
p/m-Xylene	180		ug/l	1.0	0.33	1
o-Xylene	60		ug/l	1.0	0.39	1
Xylenes, Total	240		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	35		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	390	E	ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-01
Client ID: TW-1
Sample Location: PHILA, PA

Date Collected: 10/22/21 12:50
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds

Total TIC Compounds	313	J	ug/l			1
Unknown Cycloalkane	13.0	J	ug/l			1
Unknown	12.2	J	ug/l			1
Heptane, 2-methyl-	13.8	NJ	ug/l			1
Hexane, 3-methyl-	16.8	NJ	ug/l			1
Octane	20.6	NJ	ug/l			1
Unknown Benzene	12.8	J	ug/l			1
Unknown Cyclohexane	20.8	J	ug/l			1
Cyclopentane, Methyl-	26.2	NJ	ug/l			1
Unknown	25.6	J	ug/l			1
Pentane, 2-methyl-	47.8	NJ	ug/l			1
Unknown Benzene	12.7	J	ug/l			1
Butane, 2-Methyl-	37.9	NJ	ug/l			1
Pentane	13.2	NJ	ug/l			1
Pentane, 3-methyl-	26.0	NJ	ug/l			1
Decane (C10)	13.8	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	137	Q	70-130
Dibromofluoromethane	77		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-01
Client ID: TW-1
Sample Location: PHILA, PA

Date Collected: 10/22/21 12:50
Date Received: 10/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/04/21 15:08
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	89			70-130		
4-Bromofluorobenzene	138		Q	70-130		

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-02
Client ID: TW-2
Sample Location: PHILA, PA

Date Collected: 10/22/21 13:25
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/04/21 13:57
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	7.1		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	0.35	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.30	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	4.0	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-02
Client ID: TW-2
Sample Location: PHILA, PA

Date Collected: 10/22/21 13:25
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	0.86		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	0.21	J	ug/l	0.50	0.17	1
p/m-Xylene	0.71	J	ug/l	1.0	0.33	1
o-Xylene	0.41	J	ug/l	1.0	0.39	1
Xylenes, Total	1.1	J	ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	5.8		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	0.96	J	ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	0.58	J	ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	0.33	J	ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-02
Client ID: TW-2
Sample Location: PHILA, PA

Date Collected: 10/22/21 13:25
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

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

Tentatively Identified Compounds

Total TIC Compounds	342	J	ug/l			1
Unknown Aromatic	18.4	J	ug/l			1
Unknown Aromatic	55.2	J	ug/l			1
Unknown Benzene	20.7	J	ug/l			1
Pentane, 2,3,3-trimethyl-	17.0	NJ	ug/l			1
Unknown Alkane	16.4	J	ug/l			1
Unknown Benzene	22.2	J	ug/l			1
Benzene, 1-propenyl-	48.9	NJ	ug/l			1
Unknown	14.3	J	ug/l			1
Unknown	14.1	J	ug/l			1
Unknown Aromatic	16.5	J	ug/l			1
Unknown Naphthalene	15.6	J	ug/l			1
Pentane, 2,3,4-trimethyl-	10.7	NJ	ug/l			1
Unknown Benzene	9.77	J	ug/l			1
Unknown Naphthalene	22.4	J	ug/l			1
Unknown Benzene	40.0	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-02
Client ID: TW-2
Sample Location: PHILA, PA

Date Collected: 10/22/21 13:25
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/04/21 13:57
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	104			70-130		
4-Bromofluorobenzene	100			70-130		

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-03
Client ID: TW-3
Sample Location: PHILA, PA

Date Collected: 10/22/21 13:35
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/04/21 14:21
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	0.45	J	ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	7.1	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.24	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	8.6	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-03
Client ID: TW-3
Sample Location: PHILA, PA

Date Collected: 10/22/21 13:35
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	0.42	J	ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	1.6		ug/l	0.50	0.18	1
Ethylbenzene	22		ug/l	0.50	0.17	1
p/m-Xylene	1.5		ug/l	1.0	0.33	1
o-Xylene	0.57	J	ug/l	1.0	0.39	1
Xylenes, Total	2.1	J	ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	4.3		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	1.4	J	ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	0.20	J	ug/l	2.5	0.19	1
1,2-Dichlorobenzene	0.85	J	ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-03
Client ID: TW-3
Sample Location: PHILA, PA

Date Collected: 10/22/21 13:35
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

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

Tentatively Identified Compounds

Total TIC Compounds	199	J	ug/l			1
Unknown Alkane	21.1	J	ug/l			1
Unknown Benzene	6.58	J	ug/l			1
Benzene, 1-propenyl-	20.1	NJ	ug/l			1
Benzene, Propyl-	13.4	NJ	ug/l			1
Unknown Cycloalkane	7.73	J	ug/l			1
Unknown Aromatic	8.91	J	ug/l			1
Unknown	20.9	J	ug/l			1
Unknown Alkane	27.2	J	ug/l			1
Unknown Aromatic	7.62	J	ug/l			1
Unknown Aromatic	14.9	J	ug/l			1
Hexane, 3-methyl-	6.81	NJ	ug/l			1
Pentane, 2,3,4-trimethyl-	14.5	NJ	ug/l			1
Unknown	10.9	J	ug/l			1
Unknown Benzene	12.3	J	ug/l			1
Unknown Aromatic	5.75	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-03
Client ID: TW-3
Sample Location: PHILA, PA

Date Collected: 10/22/21 13:35
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/04/21 14:21
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	99			70-130		
4-Bromofluorobenzene	100			70-130		

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-04
Client ID: TW-5
Sample Location: PHILA, PA

Date Collected: 10/22/21 14:00
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/04/21 14:45
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	13		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.32	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	0.21	J	ug/l	0.50	0.13	1
Methyl cyclohexane	0.41	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-04
Client ID: TW-5
Sample Location: PHILA, PA

Date Collected: 10/22/21 14:00
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	1.2		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	0.20	J	ug/l	0.50	0.17	1
p/m-Xylene	0.69	J	ug/l	1.0	0.33	1
o-Xylene	0.49	J	ug/l	1.0	0.39	1
Xylenes, Total	1.2	J	ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	1.3	J	ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-04
Client ID: TW-5
Sample Location: PHILA, PA

Date Collected: 10/22/21 14:00
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

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

Tentatively Identified Compounds

Total TIC Compounds	179	J	ug/l			1
Unknown Alkane	13.4	J	ug/l			1
Unknown	15.8	J	ug/l			1
Unknown Alkane	5.31	J	ug/l			1
Unknown Alkane	5.72	J	ug/l			1
Unknown Alkane	5.93	J	ug/l			1
Unknown Alkane	28.7	J	ug/l			1
Unknown Benzene	7.03	J	ug/l			1
Unknown Naphthalene	8.89	J	ug/l			1
Unknown Aromatic	6.11	J	ug/l			1
Undecane, 2,6-dimethyl-	15.2	NJ	ug/l			1
Unknown Alkane	38.6	J	ug/l			1
Unknown Benzene	5.50	J	ug/l			1
Unknown Alkane	6.00	J	ug/l			1
Unknown Aromatic	5.33	J	ug/l			1
Unknown Alkane	11.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158070-04
Client ID: TW-5
Sample Location: PHILA, PA

Date Collected: 10/22/21 14:00
Date Received: 10/22/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/04/21 14:45
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	102			70-130		
4-Bromofluorobenzene	100			70-130		

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/21 08:13
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1567476-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Cyclohexane	ND		ug/l	10	0.27
Bromochloromethane	ND		ug/l	2.5	0.15
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Methyl cyclohexane	ND		ug/l	10	0.40
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/21 08:13
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1567476-5					
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/21 08:13
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1567476-5					

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/04/21 08:13
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1567480-5					
1,4-Dioxane	1.1	J	ug/l	3.0	1.1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
4-Bromofluorobenzene	99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2158070

Project Number: 30108678.01

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1567476-3 WG1567476-4								
Dichlorodifluoromethane	92		91		36-147	1		20
Chloromethane	110		100		64-130	10		20
Vinyl chloride	97		96		55-140	1		20
Bromomethane	69		69		39-139	0		20
Chloroethane	91		92		55-138	1		20
Trichlorofluoromethane	100		100		62-150	0		20
1,1-Dichloroethene	94		94		61-145	0		20
Carbon disulfide	96		96		51-130	0		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		97		70-130	2		20
Methylene chloride	92		89		70-130	3		20
Acetone	140		140		58-148	0		20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Methyl Acetate	110		110		70-130	0		20
Methyl tert butyl ether	97		98		63-130	1		20
1,1-Dichloroethane	99		98		70-130	1		20
cis-1,2-Dichloroethene	93		92		70-130	1		20
Cyclohexane	110		110		70-130	0		20
Bromochloromethane	96		96		70-130	0		20
Chloroform	97		95		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
2-Butanone	120		120		63-138	0		20
Benzene	95		95		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.01

Lab Number: L2158070

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1567476-3 WG1567476-4								
1,2-Dichloroethane	98		99		70-130	1		20
Methyl cyclohexane	98		100		70-130	2		20
Trichloroethene	99		98		70-130	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Bromodichloromethane	92		92		67-130	0		20
cis-1,3-Dichloropropene	92		92		70-130	0		20
Toluene	97		92		70-130	5		20
Tetrachloroethene	96		91		70-130	5		20
4-Methyl-2-pentanone	100		98		59-130	2		20
trans-1,3-Dichloropropene	88		88		70-130	0		20
1,1,2-Trichloroethane	93		89		70-130	4		20
Dibromochloromethane	95		93		63-130	2		20
1,2-Dibromoethane	92		92		70-130	0		20
2-Hexanone	120		110		57-130	9		20
Chlorobenzene	93		93		75-130	0		20
Ethylbenzene	99		97		70-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Bromoform	96		97		54-136	1		20
Isopropylbenzene	98		94		70-130	4		20
1,2,4-Trimethylbenzene	96		92		70-130	4		20
1,3-Dichlorobenzene	95		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.01

Lab Number: L2158070

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1567476-3 WG1567476-4								
1,4-Dichlorobenzene	96		93		70-130	3		20
1,2-Dichlorobenzene	97		92		70-130	5		20
1,2-Dibromo-3-chloropropane	99		94		41-144	5		20
1,2,4-Trichlorobenzene	93		93		70-130	0		20
1,2,3-Trichlorobenzene	94		94		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	95		96		70-130

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ALLIANCE 51ST STREET**Lab Number:** L2158070**Project Number:** 30108678.01**Report Date:** 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1567480-3 WG1567480-4								
1,4-Dioxane	120		110		70-130	9		25
1,1,2,2-Tetrachloroethane	100		94		70-130	6		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
4-Bromofluorobenzene	99		100		70-130

METALS

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2158070**Project Number:** 30108678.01**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158070-01

Date Collected: 10/22/21 12:50

Client ID: TW-1

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	2.126	J	ug/l	5.000	1.715	5	11/01/21 10:21	11/03/21 17:56	EPA 3005A	1,6020B	PS



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2158070**Project Number:** 30108678.01**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158070-02

Date Collected: 10/22/21 13:25

Client ID: TW-2

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	9.312		ug/l	1.000	0.3430	1	11/01/21 19:45	11/04/21 21:31	EPA 3005A	1,6020B	PS



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2158070**Project Number:** 30108678.01**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158070-03

Date Collected: 10/22/21 13:35

Client ID: TW-3

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	0.7910	J	ug/l	1.000	0.3430	1	11/01/21 19:45	11/04/21 21:36	EPA 3005A	1,6020B	PS



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2158070**Project Number:** 30108678.01**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158070-04

Date Collected: 10/22/21 14:00

Client ID: TW-5

Date Received: 10/22/21

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	0.3553	J	ug/l	1.000	0.3430	1	11/01/21 19:45	11/04/21 21:42	EPA 3005A	1,6020B	PS



Project Name: ALLIANCE 51ST STREET

Lab Number: L2158070

Project Number: 30108678.01

Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1564301-1										
Lead, Total	ND		ug/l	1.000	0.3430	1	11/01/21 10:21	11/03/21 11:11	1,6020B	PS

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02-04 Batch: WG1564853-1										
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	11/01/21 19:45	11/04/21 19:46	1,6020B	PS

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.01

Lab Number: L2158070

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1564301-2								
Lead, Total	102		-		80-120	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 02-04 Batch: WG1564853-2								
Lead, Dissolved	98		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Lab Number: L2158070

Project Number: 30108678.01

Report Date: 11/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1564301-3 QC Sample: L2157658-04 Client ID: MS Sample												
Lead, Total	ND	530	510.7	96		-	-		75-125	-		20
Dissolved Metals - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG1564853-3 QC Sample: L2158069-02 Client ID: MS Sample												
Lead, Dissolved	0.9818J	530	532.8	100		-	-		75-125	-		20

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** ALLIANCE 51ST STREET**Project Number:** 30108678.01**Lab Number:** L2158070**Report Date:** 11/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG1564853-4 QC Sample: L2158069-02 Client ID: DUP Sample						
Lead, Dissolved	0.9818J	0.9661J	ug/l	NC		20

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2158070**Project Number:** 30108678.01**Report Date:** 11/11/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158070-01A	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-01B	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-01C	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-01D	Plastic 250ml HNO3 preserved	B	<2	<2	4.7	Y	Absent		PB-6020T-PPB(180)
L2158070-02A	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-02B	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-02C	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-02D	Plastic 250ml HNO3 preserved	B	<2	<2	4.7	Y	Absent		PB-6020S-PPB(180)
L2158070-03A	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-03B	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-03C	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-03D	Plastic 250ml HNO3 preserved	B	<2	<2	4.7	Y	Absent		PB-6020S-PPB(180)
L2158070-03E	Plastic 250ml HNO3 preserved	B	<2	<2	4.7	Y	Absent		-
L2158070-04A	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-04B	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-04C	Vial HCl preserved	B	NA		4.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158070-04D	Plastic 250ml HNO3 preserved	B	<2	<2	4.7	Y	Absent		PB-6020S-PPB(180)
L2158070-04E	Plastic 250ml HNO3 preserved	B	<2	<2	4.7	Y	Absent		-

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.01

Lab Number: L2158070
Report Date: 11/11/21

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B


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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

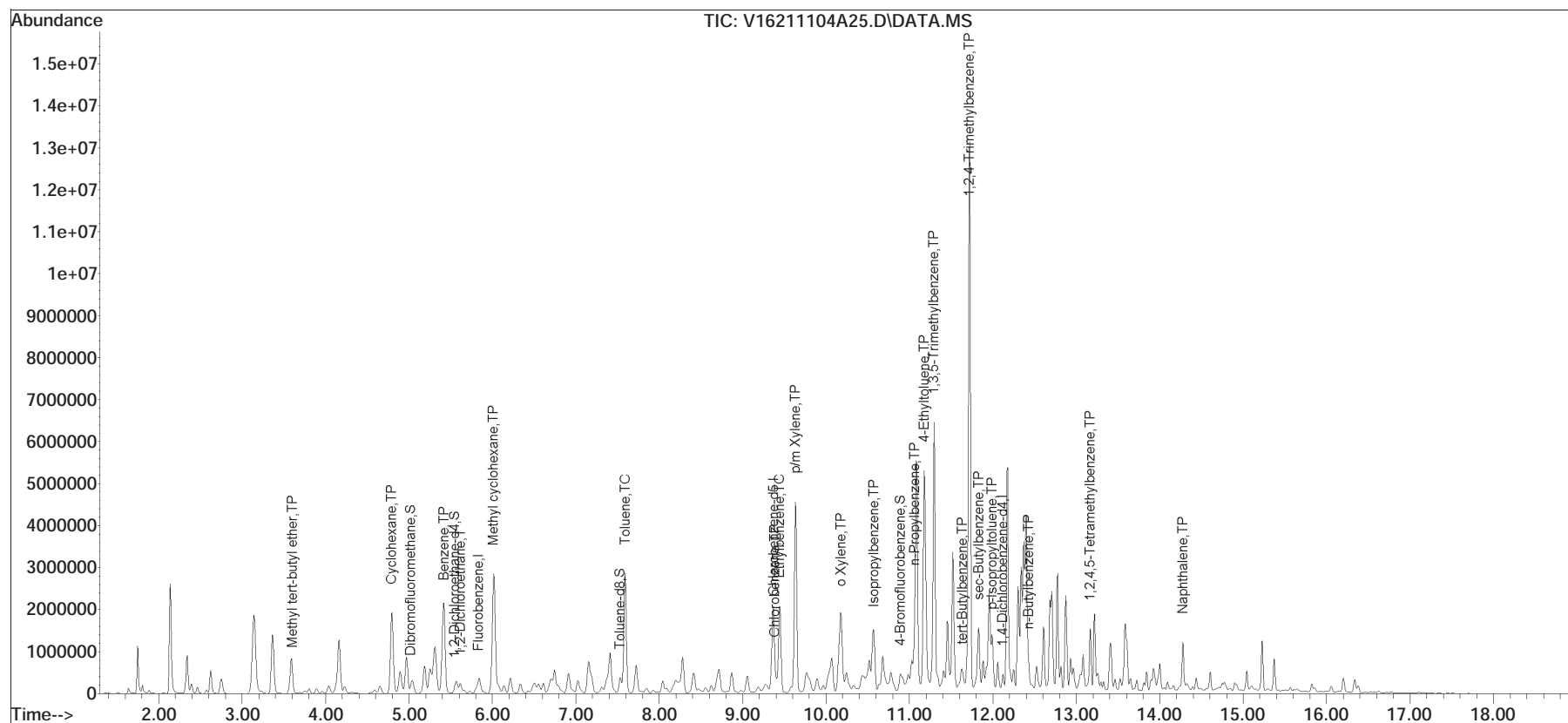
 NEW JERSEY CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 10/23/21		ALPHA Job # L2158070	
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>Alhanna 5/4 street</u> Project Location: <u>Philly, Pa</u> Project # <u>36108676.01</u> (Use Project name as Project #) <input type="checkbox"/> Project Manager: <u>Larry Ryan</u> ALPHAQuote #: _____ Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____		Deliverables <input type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO # _____	
Client Information Client: <u>Arnold</u> Address: <u>1 Harvard way 545</u> <u>Hillside, NJ</u> Phone: <u>908-526-1825</u> Fax: _____ Email: <u>Larry.Ryan@arnold.com</u>		Regulatory Requirement <input type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other		Site Information Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product: _____					
These samples have been previously analyzed by Alpha <input type="checkbox"/>		ANALYSIS		Sample Filtration <input checked="" type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)		Total Bottles			
For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2		For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011		Other project specific requirements/comments: Please specify Metals or TAL.		ANALYSIS Table Header: VOC, Lead, etc.			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
58070-01		TW-1		10/22/21 1240		AS		M1	
-02		TW-2		1325		AS		M1	
-03		TW-3		1335		AS		M1	
-04		TW-4		1400		AS		M1	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type AN P		Preservative P C	
Form No: 01-14 HC (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time	
MAHWAH HILL		10/22/21 1516		10/22/21 1516		10/22/21 1516		10/22/21 1516	
10/22/21 1800		10/22/21 1800		10/22/21 1800		10/22/21 1800		10/22/21 1800	
10/22/21 20:35		10/22/21 20:35		10/22/21 20:35		10/22/21 20:35		10/22/21 20:35	
10/23/21 0305		10/23/21 0305		10/23/21 0305		10/23/21 0305		10/23/21 0305	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2021\211104\
 Data File : V16211104A25.D
 Acq On : 04 Nov 2021 03:08 pm
 Operator : VOA116:MM
 Sample : L2158070-01,31,10,10,,A
 Misc : WG1567476,ICAL18361
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 05 13:19:49 2021
 Quant Method : I:\VOLATILES\VOA116\2021\211104\V116_211006_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Wed Oct 06 09:42:44 2021
 Response via : Initial Calibration

Sub List : 8260-SIMFULL - 8260 -Curve minus 1,4-dioxane, iodomethane ,acrolein

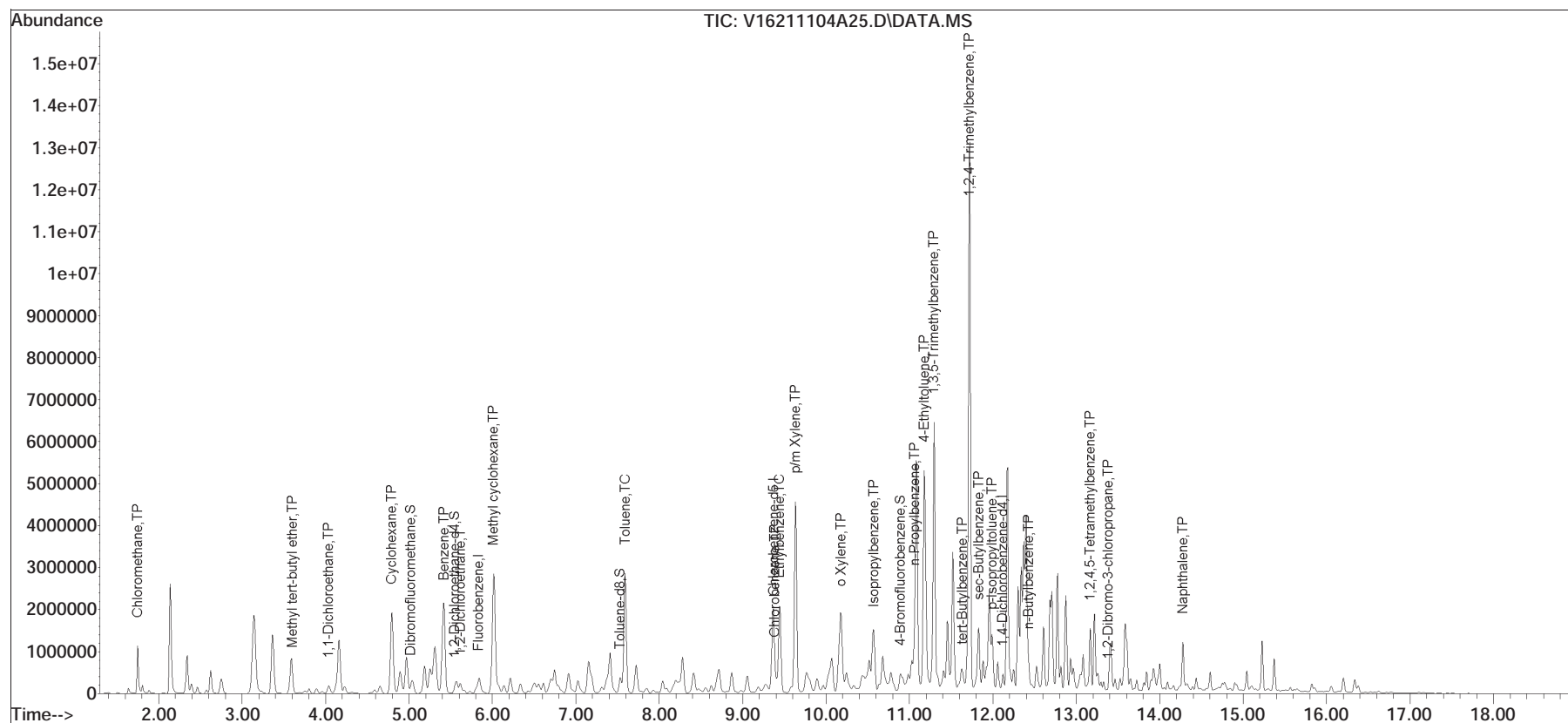


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA116\2021\211104\
 Data File : V16211104A25.D
 Acq On : 04 Nov 2021 03:08 pm
 Operator : VOA116:MM
 Sample : L2158070-01,31,10,10,,A
 Misc : WG1567476,ICAL18361
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 05 05:07:58 2021
 Quant Method : I:\VOLATILES\VOA116\2021\211104\V116_211006_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Wed Oct 06 09:42:44 2021
 Response via : Initial Calibration

Sub List : 8260-SIMFULL - 8260 -Curve minus 1,4-dioxane, iodomethane ,acrolein





ANALYTICAL REPORT

Lab Number:	L2158499
Client:	Arcadis U.S., Inc 1 Harvard Way Suite 5 Hillsborough, NJ 08844
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	ALLIANCE-S. 51ST STREET
Project Number:	30108678
Report Date:	11/11/21

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

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



Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2158499-01	MW-002	WATER	PHILADELPHIA	10/25/21 11:35	10/26/21
L2158499-02	MW-001	WATER	PHILADELPHIA	10/25/21 12:35	10/26/21
L2158499-03	MW-003	WATER	PHILADELPHIA	10/25/21 14:05	10/26/21
L2158499-04	MW-004	WATER	PHILADELPHIA	10/25/21 16:00	10/26/21
L2158499-05	DUP-1	WATER	PHILADELPHIA	10/25/21 00:00	10/26/21
L2158499-06	FIELD BLANK	WATER	PHILADELPHIA	10/25/21 12:00	10/26/21
L2158499-07	TRIP BLANK	WATER	PHILADELPHIA	10/25/21 00:00	10/26/21

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Case Narrative

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

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

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

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

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

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

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Case Narrative (continued)

Report Revision

November 11, 2021: The Volatile Organics analyte list has been amended on all submitted samples. The Semivolatile Organics analyte list has been amended on L2158499-03 and -04. In addition, Volatile Organics TICs have been added.

Report Submission

November 05, 2021: This final report includes the results of the Semivolatile Organics analysis performed on L2158499-03 and -04.

November 02, 2021: This is a preliminary report.

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

Volatile Organics

L2158499-04: The pH of the sample was greater than two; however, the sample was analyzed within the method required holding time.

Semivolatile Organics

L2158499-03 and -04: The sample was extracted with the method required holding time exceeded.

Semivolatile Organics by SIM

L2158499-03 and -04: The sample was extracted with the method required holding time exceeded.

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

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 11/11/21

ORGANICS

VOLATILES

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-01
 Client ID: MW-002
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 11:35
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/01/21 09:39
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	3.8	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	2.1		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	3.2	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	3.1		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	2.5	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-01
 Client ID: MW-002
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 11:35
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	1.4		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	0.45	J	ug/l	0.50	0.17	1
p/m-Xylene	2.0		ug/l	1.0	0.33	1
o-Xylene	4.4		ug/l	1.0	0.39	1
Xylenes, Total	6.4		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	0.38	J	ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	3.0		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-01
Client ID: MW-002
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 11:35
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

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

Tentatively Identified Compounds

Total TIC Compounds	24.4	J	ug/l			1
Unknown Aromatic	1.32	J	ug/l			1
Unknown Benzene	2.69	J	ug/l			1
Cyclopentane, Methyl-	2.10	NJ	ug/l			1
Unknown	1.89	J	ug/l			1
Unknown Benzene	1.27	J	ug/l			1
Unknown Benzene	4.10	J	ug/l			1
Indane	1.70	NJ	ug/l			1
Naphthalene	2.44	NJ	ug/l			1
Butane, 2-Methyl-	2.07	NJ	ug/l			1
Unknown Benzene	1.84	J	ug/l			1
Unknown Aromatic	1.57	J	ug/l			1
Unknown Benzene	1.41	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-01
Client ID: MW-002
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 11:35
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/01/21 09:39
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	102			70-130		
4-Bromofluorobenzene	91			70-130		

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-02
 Client ID: MW-001
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 12:35
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/01/21 10:03
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	0.27	J	ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	6.3	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.91		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-02
 Client ID: MW-001
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 12:35
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	0.71	J	ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	1.8		ug/l	1.0	0.33	1
o-Xylene	0.42	J	ug/l	1.0	0.39	1
Xylenes, Total	2.2	J	ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	1.1		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	0.30	J	ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-02
Client ID: MW-001
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 12:35
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

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

Tentatively Identified Compounds

Total TIC Compounds	245	J	ug/l			1
Benzene, butyl-	11.4	NJ	ug/l			1
Unknown Aromatic	9.66	J	ug/l			1
Butane, 2-Methyl-	9.26	NJ	ug/l			1
Pentane, 2,3-dimethyl-	11.0	NJ	ug/l			1
Unknown Aromatic	17.9	J	ug/l			1
Butane, 2,3-Dimethyl-	18.1	NJ	ug/l			1
Indane	26.8	NJ	ug/l			1
Unknown	18.7	J	ug/l			1
Unknown Benzene	11.7	J	ug/l			1
Unknown Aromatic	8.17	J	ug/l			1
Unknown Aromatic	18.7	J	ug/l			1
Unknown Benzene	10.1	J	ug/l			1
Unknown Benzene	30.1	J	ug/l			1
Unknown Aromatic	22.9	J	ug/l			1
Unknown Cycloalkene	21.0	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	90		70-130

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-02
Client ID: MW-001
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 12:35
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/01/21 10:03
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	90			70-130		
4-Bromofluorobenzene	103			70-130		

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-03
 Client ID: MW-003
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 14:05
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/01/21 10:27
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	2.5	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.36	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-03
Client ID: MW-003
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 14:05
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Tentatively Identified Compounds

Total TIC Compounds	1.31	J	ug/l	1
Unknown	1.31	J	ug/l	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-03

Date Collected: 10/25/21 14:05

Client ID: MW-003

Date Received: 10/26/21

Sample Location: PHILADELPHIA

Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-03
Client ID: MW-003
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 14:05
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/01/21 10:27
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
4-Bromofluorobenzene	96		70-130

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-04
 Client ID: MW-004
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 16:00
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/01/21 10:51
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	14		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-04
 Client ID: MW-004
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 16:00
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Tentatively Identified Compounds

Total TIC Compounds	1.88	J	ug/l	1
Unknown	1.88	J	ug/l	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-04

Date Collected: 10/25/21 16:00

Client ID: MW-004

Date Received: 10/26/21

Sample Location: PHILADELPHIA

Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-04
Client ID: MW-004
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 16:00
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/01/21 10:51
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	104			70-130		
4-Bromofluorobenzene	96			70-130		

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-05
 Client ID: DUP-1
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 00:00
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/01/21 11:15
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	3.2	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.35	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-05
Client ID: DUP-1
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 00:00
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Tentatively Identified Compounds

Total TIC Compounds	1.23	J	ug/l	1
Unknown	1.23	J	ug/l	1

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-05
Client ID: DUP-1
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 00:00
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	106		70-130

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-05
Client ID: DUP-1
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 00:00
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/01/21 11:15
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	106			70-130		
4-Bromofluorobenzene	96			70-130		

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-06
 Client ID: FIELD BLANK
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 12:00
 Date Received: 10/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/01/21 07:40
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-06
 Client ID: FIELD BLANK
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 12:00
 Date Received: 10/26/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-06
Client ID: FIELD BLANK
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 12:00
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/01/21 07:40
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
4-Bromofluorobenzene	94		70-130

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-07
 Client ID: TRIP BLANK
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 00:00
 Date Received: 10/26/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/01/21 07:17
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	1.5	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	0.63	J	ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-07
 Client ID: TRIP BLANK
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 00:00
 Date Received: 10/26/21
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	108		70-130

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-07
Client ID: TRIP BLANK
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 00:00
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/01/21 07:17
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	103			70-130		
4-Bromofluorobenzene	95			70-130		

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/01/21 05:18
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG1565868-5					
1,4-Dioxane	ND		ug/l	3.0	1.1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
4-Bromofluorobenzene	94		70-130

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/01/21 05:18
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1565885-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Cyclohexane	ND		ug/l	10	0.27
Bromochloromethane	ND		ug/l	2.5	0.15
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Methyl cyclohexane	ND		ug/l	10	0.40
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/01/21 05:18
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1565885-5					
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/01/21 05:18
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1565885-5					

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST STREET

Project Number: 30108678

Lab Number: L2158499

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG1565868-3 WG1565868-4								
1,4-Dioxane	88		81		70-130	8		25
1,1,2,2-Tetrachloroethane	93		95		70-130	2		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
4-Bromofluorobenzene	96		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST STREET

Project Number: 30108678

Lab Number: L2158499

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1565885-3 WG1565885-4								
Dichlorodifluoromethane	77		75		36-147	3		20
Chloromethane	99		95		64-130	4		20
Vinyl chloride	97		95		55-140	2		20
Bromomethane	110		100		39-139	10		20
Chloroethane	96		98		55-138	2		20
Trichlorofluoromethane	110		110		62-150	0		20
1,1-Dichloroethene	96		92		61-145	4		20
Carbon disulfide	97		93		51-130	4		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		100		70-130	0		20
Methylene chloride	94		92		70-130	2		20
Acetone	110		120		58-148	9		20
trans-1,2-Dichloroethene	97		94		70-130	3		20
Methyl Acetate	110		110		70-130	0		20
Methyl tert butyl ether	82		85		63-130	4		20
1,1-Dichloroethane	100		100		70-130	0		20
cis-1,2-Dichloroethene	96		97		70-130	1		20
Cyclohexane	110		110		70-130	0		20
Bromochloromethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
2-Butanone	110		110		63-138	0		20
Benzene	97		97		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ALLIANCE-S. 51ST STREET

Project Number: 30108678

Lab Number: L2158499

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1565885-3 WG1565885-4								
1,2-Dichloroethane	100		100		70-130	0		20
Methyl cyclohexane	96		96		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Bromodichloromethane	97		98		67-130	1		20
cis-1,3-Dichloropropene	88		90		70-130	2		20
Toluene	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
4-Methyl-2-pentanone	83		89		59-130	7		20
trans-1,3-Dichloropropene	87		88		70-130	1		20
1,1,2-Trichloroethane	96		94		70-130	2		20
Dibromochloromethane	96		99		63-130	3		20
1,2-Dibromoethane	90		93		70-130	3		20
2-Hexanone	91		95		57-130	4		20
Chlorobenzene	100		97		75-130	3		20
Ethylbenzene	100		100		70-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Bromoform	89		95		54-136	7		20
Isopropylbenzene	90		94		70-130	4		20
1,2,4-Trimethylbenzene	92		94		70-130	2		20
1,3-Dichlorobenzene	96		97		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST STREET

Project Number: 30108678

Lab Number: L2158499

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1565885-3 WG1565885-4								
1,4-Dichlorobenzene	95		97		70-130	2		20
1,2-Dichlorobenzene	93		96		70-130	3		20
1,2-Dibromo-3-chloropropane	85		90		41-144	6		20
1,2,4-Trichlorobenzene	84		88		70-130	5		20
1,2,3-Trichlorobenzene	85		90		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-03
 Client ID: MW-003
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 14:05
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 11/04/21 14:33
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 11/03/21 05:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	0.53	1
Phenol	ND		ug/l	5.0	0.57	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Acetophenone	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
Nitrobenzene	ND		ug/l	1.4	0.77	1
Isophorone	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	5.0	0.85	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
Naphthalene	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	3.7	1.1	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Caprolactam	ND		ug/l	10	3.3	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.44	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Biphenyl	ND		ug/l	2.0	0.46	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-03
Client ID: MW-003
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 14:05
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.46	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
Acenaphthene	ND		ug/l	2.0	0.53	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Fluorene	ND		ug/l	2.0	0.41	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Atrazine	ND		ug/l	3.0	0.76	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Anthracene	ND		ug/l	2.0	0.33	1
Carbazole	ND		ug/l	2.0	0.49	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Fluoranthene	ND		ug/l	2.0	0.26	1
Pyrene	ND		ug/l	2.0	0.28	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
Chrysene	ND		ug/l	2.0	0.34	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	59		41-149

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-03
Client ID: MW-003
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 14:05
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/04/21 12:29
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 11/03/21 05:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.02	1
n-Nitrosodi-n-propylamine	ND		ug/l	0.10	0.01	1
Hexachloroethane	ND		ug/l	0.20	0.06	1
Hexachlorobenzene	ND		ug/l	0.02	0.01	1
Pentachlorophenol	ND		ug/l	0.10	0.01	1
Benzo(a)anthracene	ND		ug/l	0.05	0.02	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	1.0	0.51	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	68		41-149

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-04
 Client ID: MW-004
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 16:00
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 11/04/21 14:57
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 11/03/21 05:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	0.53	1
Phenol	ND		ug/l	5.0	0.57	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Acetophenone	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
Nitrobenzene	ND		ug/l	1.4	0.77	1
Isophorone	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	5.0	0.85	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
Naphthalene	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	3.7	1.1	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Caprolactam	ND		ug/l	10	3.3	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.44	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Biphenyl	ND		ug/l	2.0	0.46	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158499-04
 Client ID: MW-004
 Sample Location: PHILADELPHIA

Date Collected: 10/25/21 16:00
 Date Received: 10/26/21
 Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.46	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
Acenaphthene	ND		ug/l	2.0	0.53	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Fluorene	ND		ug/l	2.0	0.41	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Atrazine	ND		ug/l	3.0	0.76	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Anthracene	ND		ug/l	2.0	0.33	1
Carbazole	ND		ug/l	2.0	0.49	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Fluoranthene	ND		ug/l	2.0	0.26	1
Pyrene	ND		ug/l	2.0	0.28	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
Chrysene	ND		ug/l	2.0	0.34	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	60		41-149

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158499-04
Client ID: MW-004
Sample Location: PHILADELPHIA

Date Collected: 10/25/21 16:00
Date Received: 10/26/21
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/04/21 13:08
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 11/03/21 05:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.02	1
n-Nitrosodi-n-propylamine	ND		ug/l	0.10	0.01	1
Hexachloroethane	ND		ug/l	0.20	0.06	1
Hexachlorobenzene	ND		ug/l	0.02	0.01	1
Pentachlorophenol	ND		ug/l	0.10	0.01	1
Benzo(a)anthracene	ND		ug/l	0.05	0.02	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	1.0	0.51	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	70		41-149

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/21 09:02
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/03/21 05:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1566395-1					
Benzaldehyde	ND		ug/l	5.0	0.53
Phenol	ND		ug/l	5.0	0.57
2-Chlorophenol	ND		ug/l	2.0	0.48
2-Methylphenol	ND		ug/l	5.0	0.49
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Acetophenone	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
Nitrobenzene	ND		ug/l	1.4	0.77
Isophorone	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	5.0	0.85
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
Naphthalene	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	3.7	1.1
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Caprolactam	ND		ug/l	10	3.3
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Methylnaphthalene	ND		ug/l	2.0	0.45
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.44
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Biphenyl	ND		ug/l	2.0	0.46
2-Chloronaphthalene	ND		ug/l	2.0	0.44
2-Nitroaniline	ND		ug/l	5.0	0.50
Dimethyl phthalate	ND		ug/l	5.0	1.8
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Acenaphthylene	ND		ug/l	2.0	0.46

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/21 09:02
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/03/21 05:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1566395-1					
3-Nitroaniline	ND		ug/l	5.0	0.81
Acenaphthene	ND		ug/l	2.0	0.53
2,4-Dinitrophenol	ND		ug/l	20	6.6
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
Dibenzofuran	ND		ug/l	2.0	0.50
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84
Diethyl phthalate	ND		ug/l	5.0	0.38
Fluorene	ND		ug/l	2.0	0.41
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Nitroaniline	ND		ug/l	5.0	0.80
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
NDPA/DPA	ND		ug/l	2.0	0.42
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Atrazine	ND		ug/l	3.0	0.76
Phenanthrene	ND		ug/l	2.0	0.33
Anthracene	ND		ug/l	2.0	0.33
Carbazole	ND		ug/l	2.0	0.49
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Fluoranthene	ND		ug/l	2.0	0.26
Pyrene	ND		ug/l	2.0	0.28
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
Chrysene	ND		ug/l	2.0	0.34
Di-n-octylphthalate	ND		ug/l	5.0	1.3

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/04/21 09:02
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 11/03/21 05:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1566395-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	60		41-149

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/04/21 11:31
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 11/03/21 05:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03-04 Batch: WG1566396-1					
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.02
n-Nitrosodi-n-propylamine	ND		ug/l	0.10	0.01
Hexachloroethane	ND		ug/l	0.20	0.06
Hexachlorobenzene	ND		ug/l	0.02	0.01
Pentachlorophenol	ND		ug/l	0.10	0.01
Benzo(a)anthracene	ND		ug/l	0.05	0.02
Bis(2-ethylhexyl)phthalate	ND		ug/l	1.0	0.51
Benzo(b)fluoranthene	ND		ug/l	0.05	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	73		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE-S. 51ST STREET

Project Number: 30108678

Lab Number: L2158499

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1566395-2 WG1566395-3								
Benzaldehyde	59		59		40-140	0		30
Phenol	50		52		12-110	4		30
2-Chlorophenol	62		65		27-123	5		30
2-Methylphenol	65		68		30-130	5		30
Bis(2-chloroisopropyl)ether	47		48		40-140	2		30
Acetophenone	62		64		39-129	3		30
3-Methylphenol/4-Methylphenol	64		67		30-130	5		30
Nitrobenzene	69		71		40-140	3		30
Isophorone	62		63		40-140	2		30
2-Nitrophenol	77		82		30-130	6		30
2,4-Dimethylphenol	65		66		30-130	2		30
Bis(2-chloroethoxy)methane	68		71		40-140	4		30
2,4-Dichlorophenol	62		64		30-130	3		30
Naphthalene	55		56		40-140	2		30
4-Chloroaniline	33	Q	30	Q	40-140	10		30
Hexachlorobutadiene	45		44		40-140	2		30
Caprolactam	25		25		10-130	0		30
p-Chloro-m-cresol	64		66		23-97	3		30
2-Methylnaphthalene	57		57		40-140	0		30
Hexachlorocyclopentadiene	50		50		40-140	0		30
1,2,4,5-Tetrachlorobenzene	49		48		2-134	2		30
2,4,6-Trichlorophenol	51		53		30-130	4		30
2,4,5-Trichlorophenol	53		55		30-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE-S. 51ST STREET

Project Number: 30108678

Lab Number: L2158499

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1566395-2 WG1566395-3								
Biphenyl	53		54		40-140	2		30
2-Chloronaphthalene	53		54		40-140	2		30
2-Nitroaniline	69		72		52-143	4		30
Dimethyl phthalate	55		57		40-140	4		30
2,6-Dinitrotoluene	62		62		40-140	0		30
Acenaphthylene	54		55		45-123	2		30
3-Nitroaniline	58		62		25-145	7		30
Acenaphthene	58		61		37-111	5		30
2,4-Dinitrophenol	73		68		20-130	7		30
4-Nitrophenol	71		74		10-80	4		30
2,4-Dinitrotoluene	66		70		48-143	6		30
Dibenzofuran	57		58		40-140	2		30
2,3,4,6-Tetrachlorophenol	53	Q	55		54-145	4		30
Diethyl phthalate	62		65		40-140	5		30
Fluorene	57		61		40-140	7		30
4-Chlorophenyl phenyl ether	53		54		40-140	2		30
4-Nitroaniline	66		70		51-143	6		30
4,6-Dinitro-o-cresol	76		77		20-164	1		30
NDPA/DPA	57		58		40-140	2		30
4-Bromophenyl phenyl ether	57		60		40-140	5		30
Atrazine	70		71		40-140	1		30
Phenanthrene	57		60		40-140	5		30
Anthracene	56		60		40-140	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST STREET

Project Number: 30108678

Lab Number: L2158499

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1566395-2 WG1566395-3								
Carbazole	58		62		55-144	7		30
Di-n-butylphthalate	58		61		40-140	5		30
Fluoranthene	54		57		40-140	5		30
Pyrene	53		56		26-127	6		30
Butyl benzyl phthalate	65		67		40-140	3		30
3,3'-Dichlorobenzidine	55		54		40-140	2		30
Chrysene	59		60		40-140	2		30
Di-n-octylphthalate	69		69		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		62		21-120
Phenol-d6	49		52		10-120
Nitrobenzene-d5	71		73		23-120
2-Fluorobiphenyl	48		49		15-120
2,4,6-Tribromophenol	69		72		10-120
4-Terphenyl-d14	54		55		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST STREET

Project Number: 30108678

Lab Number: L2158499

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03-04 Batch: WG1566396-2 WG1566396-3								
Bis(2-chloroethyl)ether	56		61		40-140	9		40
n-Nitrosodi-n-propylamine	58		65		40-140	11		40
Hexachloroethane	52		56		40-140	7		40
Hexachlorobenzene	59		65		40-140	10		40
Pentachlorophenol	57		62		9-103	8		40
Benzo(a)anthracene	58		65		40-140	11		40
Bis(2-ethylhexyl)phthalate	62		77		40-140	22		40
Benzo(b)fluoranthene	65		77		40-140	17		40
Benzo(k)fluoranthene	60		67		40-140	11		40
Benzo(a)pyrene	60		68		40-140	13		40
Indeno(1,2,3-cd)pyrene	67		76		40-140	13		40
Dibenzo(a,h)anthracene	65		75		40-140	14		40
Benzo(ghi)perylene	63		72		40-140	13		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		52		21-120
Phenol-d6	44		47		10-120
Nitrobenzene-d5	60		66		23-120
2-Fluorobiphenyl	62		68		15-120
2,4,6-Tribromophenol	63		73		10-120
4-Terphenyl-d14	61		68		41-149

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
F	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158499-01A	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-01B	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-01C	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-01D	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2158499-01E	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-TOTAL(180)
L2158499-01F	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-01G	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-02A	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-02B	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-02C	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-02D	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2158499-02E	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-TOTAL(180)
L2158499-02F	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-02G	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-03A	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-03B	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-03C	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-03D	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2158499-03E	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-TOTAL(180)
L2158499-03F	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7),PA-8270SIM-LVI(7),PA-8270-LVI(7)
L2158499-03G	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7),PA-8270SIM-LVI(7),PA-8270-LVI(7)
L2158499-04A	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Project Name: ALLIANCE-S. 51ST STREET**Lab Number:** L2158499**Project Number:** 30108678**Report Date:** 11/11/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158499-04B	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-04C	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-04D	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2158499-04E	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-TOTAL(180)
L2158499-04F	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-04G	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-05A	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-05B	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-05C	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-05D	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2158499-05E	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-TOTAL(180)
L2158499-05F	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-05G	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-06A	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-06B	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-06C	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-06D	Plastic 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-METAL-DISSOLVED(180)
L2158499-06E	Plastic 250ml HNO3 preserved	F	<2	<2	3.2	Y	Absent		HOLD-METAL-TOTAL(180)
L2158499-06F	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-06G	Amber 250ml unpreserved	F	7	7	3.2	Y	Absent		HOLD-8270(7)
L2158499-07A	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2158499-07B	Vial HCl preserved	F	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ALLIANCE-S. 51ST STREET
Project Number: 30108678

Lab Number: L2158499
Report Date: 11/11/21

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 19

Department: **Quality Assurance**

Published Date: 4/2/2021 1:14:23 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B


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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW JERSEY CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 2 of 1		Date Rec'd in Lab 10/27/21		ALPHA Job # 12158499				
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>Allance - S. 51st Street</u> Project Location: <u>Philadelphia</u> Project # <u>30108078</u> (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQulS (1 File) <input type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #				
Client Information Client: <u>Arcadis</u> Address: <u>1 Harvard Way</u> <u>Scituate Hillsborough, NJ</u> Phone: <u>908 526 1000</u> Fax: Email: <u>larry.brunt@arcadis.com</u>		Project Manager: <u>Lawrence Brunt</u> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other		Site Information Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product:						
These samples have been previously analyzed by Alpha <input type="checkbox"/>		For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2		For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011		Other project specific requirements/comments: <u>H - Sample on Hold</u> Please specify Metals or TAL.		ANALYSIS VOCs Base Neutrals Total Metals Dissolved Metals Field Filterable				
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Sample Filtration <input checked="" type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)		Total Bottles
58499-01		MW-002		10/25/21 1135		GW NS		X H H H		<input type="checkbox"/> Lab to do		
02		MW-002		1235				X H H H		<input type="checkbox"/> Lab to do		
03		MW-003		1405				X H H H		<input type="checkbox"/> Lab to do		
04		MW-004		1600				X H H H		<input type="checkbox"/> Lab to do		
05		DWP-1		—				X H H H		<input type="checkbox"/> Lab to do		
06		Field Blank		1200		FB		X H H H		<input type="checkbox"/> Lab to do		
07		Trip Blank		—		TB		X		<input type="checkbox"/> Lab to do		
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type AVA P P		Preservative B A C C		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)		
Form No: 01-14 HC (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time		Date/Time		
		MATA Nibish		10/26/21 1214		ST AAL		10/26/21 13:40		10/26/21 13:40		
		ST		10/26/21 1800		M		10/26/21 1900		10/26/21 1900		
		J. Lopez		10/26/21 2130		J. Lopez		10/26/21 21:30		10/26/21 21:30		
		J. Lopez		10/27/21		J. Lopez		10/27/21 0150		10/27/21 03:35		



ANALYTICAL REPORT

Lab Number:	L2158500
Client:	Arcadis U.S., Inc 1 Harvard Way Suite 5 Hillsborough, NJ 08844
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	ALLIANCE-S. 51ST ST.
Project Number:	30108678
Report Date:	11/11/21

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

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



Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2158500-01	SB-101 (1.5-2)	SOIL	PHILADELPHIA, PA	10/25/21 14:15	10/26/21
L2158500-02	SB-102 (2.5-3)	SOIL	PHILADELPHIA, PA	10/25/21 14:20	10/26/21
L2158500-03	SB-103 (4.5-5)	SOIL	PHILADELPHIA, PA	10/25/21 14:25	10/26/21
L2158500-04	SB-104 (4.5-5)	SOIL	PHILADELPHIA, PA	10/25/21 14:35	10/26/21
L2158500-05	SB-105 (4.5-5)	SOIL	PHILADELPHIA, PA	10/25/21 14:45	10/26/21
L2158500-06	SB-106 (4.5-5)	SOIL	PHILADELPHIA, PA	10/25/21 14:55	10/26/21
L2158500-07	SB-107 (4.5-5)	SOIL	PHILADELPHIA, PA	10/25/21 15:00	10/26/21

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Case Narrative

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

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

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

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

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

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

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Case Narrative (continued)

Report Revision

November 11, 2021: The Volatile Organics analyte list has been amended on all submitted samples. The Semivolatile Organics analyte list has been amended on L2158500-03 and -05D. In addition, Volatile Organics TICs have been added.

November 05, 2021: At the client's request, the Volatile Organics reporting list has been extended. Additionally, this report includes the results of the Semivolatile Organics analyses performed on L2158500-03 and -05.

Report Submission

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

Volatile Organics

L2158500-01: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

L2158500-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (167%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2158500-03 and -04D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2158500-03D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (156%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2158500-04D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (258%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Case Narrative (continued)

L2158500-03D and -05D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Semivolatile Organics by SIM

L2158500-03D: The sample has elevated detection limits due to the dilution required by the sample matrix.

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

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 11/11/21

ORGANICS

VOLATILES

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-01
Client ID: SB-101 (1.5-2)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:15
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/30/21 01:42
Analyst: NLK
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	1.1	0.10	1
Chloromethane	ND		mg/kg	0.45	0.10	1
Vinyl chloride	ND		mg/kg	0.11	0.038	1
Bromomethane	ND		mg/kg	0.23	0.066	1
Chloroethane	ND		mg/kg	0.23	0.051	1
Trichlorofluoromethane	ND		mg/kg	0.45	0.078	1
1,1-Dichloroethene	ND		mg/kg	0.11	0.027	1
Carbon disulfide	ND		mg/kg	1.1	0.51	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.45	0.078	1
Methylene chloride	ND		mg/kg	0.56	0.26	1
Acetone	ND		mg/kg	1.1	0.54	1
trans-1,2-Dichloroethene	ND		mg/kg	0.17	0.015	1
Methyl Acetate	ND		mg/kg	0.45	0.11	1
Methyl tert butyl ether	ND		mg/kg	0.23	0.023	1
1,1-Dichloroethane	ND		mg/kg	0.11	0.016	1
cis-1,2-Dichloroethene	ND		mg/kg	0.11	0.020	1
1,2-Dichloroethene, Total	ND		mg/kg	0.11	0.015	1
Cyclohexane	2.2		mg/kg	1.1	0.061	1
Bromochloromethane	ND		mg/kg	0.23	0.023	1
Chloroform	ND		mg/kg	0.17	0.016	1
Carbon tetrachloride	ND		mg/kg	0.11	0.026	1
1,1,1-Trichloroethane	ND		mg/kg	0.056	0.019	1
2-Butanone	ND		mg/kg	1.1	0.25	1
Benzene	0.16		mg/kg	0.056	0.019	1
1,2-Dichloroethane	ND		mg/kg	0.11	0.029	1
Methyl cyclohexane	9.2		mg/kg	0.45	0.068	1
Trichloroethene	ND		mg/kg	0.056	0.015	1
1,2-Dichloropropane	ND		mg/kg	0.11	0.014	1

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-01
Client ID: SB-101 (1.5-2)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:15
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.056	0.012	1
1,4-Dioxane	ND		mg/kg	9.0	4.0	1
cis-1,3-Dichloropropene	ND		mg/kg	0.056	0.018	1
Toluene	0.78		mg/kg	0.11	0.061	1
4-Methyl-2-pentanone	ND		mg/kg	1.1	0.14	1
Tetrachloroethene	ND		mg/kg	0.056	0.022	1
trans-1,3-Dichloropropene	ND		mg/kg	0.11	0.031	1
1,3-Dichloropropene, Total	ND		mg/kg	0.056	0.018	1
1,1,2-Trichloroethane	ND		mg/kg	0.11	0.030	1
Dibromochloromethane	ND		mg/kg	0.11	0.016	1
1,2-Dibromoethane	ND		mg/kg	0.056	0.033	1
2-Hexanone	ND		mg/kg	1.1	0.13	1
Chlorobenzene	ND		mg/kg	0.056	0.014	1
Ethylbenzene	0.84		mg/kg	0.11	0.016	1
p/m-Xylene	3.5		mg/kg	0.23	0.063	1
o-Xylene	1.1		mg/kg	0.11	0.033	1
Xylenes, Total	4.6		mg/kg	0.11	0.033	1
Styrene	ND		mg/kg	0.11	0.022	1
Bromoform	ND		mg/kg	0.45	0.028	1
Isopropylbenzene	0.76		mg/kg	0.11	0.012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.056	0.019	1
1,2,4-Trimethylbenzene	30.		mg/kg	0.23	0.038	1
1,3-Dichlorobenzene	ND		mg/kg	0.23	0.017	1
1,4-Dichlorobenzene	ND		mg/kg	0.23	0.019	1
1,2-Dichlorobenzene	ND		mg/kg	0.23	0.016	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.34	0.11	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.23	0.031	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.23	0.036	1

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-01
Client ID: SB-101 (1.5-2)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:15
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	65.1	J	mg/kg			1
Unknown Benzene	3.40	J	mg/kg			1
Unknown Benzene	5.13	J	mg/kg			1
Unknown	3.78	J	mg/kg			1
Unknown	4.98	J	mg/kg			1
Unknown Alkane	3.94	J	mg/kg			1
Unknown Benzene	3.39	J	mg/kg			1
Unknown Benzene	5.21	J	mg/kg			1
Unknown Alkane	3.86	J	mg/kg			1
Unknown Benzene	4.81	J	mg/kg			1
Unknown Aromatic	4.21	J	mg/kg			1
Decane (C10)	6.07	NJ	mg/kg			1
Unknown	4.10	J	mg/kg			1
Unknown Cyclohexane	3.73	J	mg/kg			1
Unknown	4.76	J	mg/kg			1
Unknown Benzene	3.72	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	167	Q	70-130
Dibromofluoromethane	87		70-130

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-02
Client ID: SB-102 (2.5-3)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:20
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/29/21 23:59
Analyst: NLK
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	0.0010	1
Chloromethane	ND		mg/kg	0.0046	0.0011	1
Vinyl chloride	ND		mg/kg	0.0011	0.00038	1
Bromomethane	ND		mg/kg	0.0023	0.00067	1
Chloroethane	ND		mg/kg	0.0023	0.00052	1
Trichlorofluoromethane	ND		mg/kg	0.0046	0.00080	1
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00027	1
Carbon disulfide	ND		mg/kg	0.011	0.0052	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0046	0.00080	1
Methylene chloride	ND		mg/kg	0.0057	0.0026	1
Acetone	ND		mg/kg	0.029	0.011	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00016	1
Methyl Acetate	ND		mg/kg	0.0046	0.0011	1
Methyl tert butyl ether	ND		mg/kg	0.0023	0.00023	1
1,1-Dichloroethane	ND		mg/kg	0.0011	0.00017	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00020	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	0.00016	1
Cyclohexane	ND		mg/kg	0.011	0.00062	1
Bromochloromethane	ND		mg/kg	0.0023	0.00024	1
Chloroform	ND		mg/kg	0.0017	0.00016	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.00057	0.00019	1
2-Butanone	ND		mg/kg	0.011	0.0025	1
Benzene	0.00026	J	mg/kg	0.00057	0.00019	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00030	1
Methyl cyclohexane	ND		mg/kg	0.0046	0.00069	1
Trichloroethene	ND		mg/kg	0.00057	0.00016	1
1,2-Dichloropropane	ND		mg/kg	0.0011	0.00014	1

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-02
Client ID: SB-102 (2.5-3)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:20
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00057	0.00012	1
1,4-Dioxane	ND		mg/kg	0.092	0.040	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00057	0.00018	1
Toluene	0.00096	J	mg/kg	0.0011	0.00062	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	0.0015	1
Tetrachloroethene	ND		mg/kg	0.00057	0.00022	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00031	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00057	0.00018	1
1,1,2-Trichloroethane	ND		mg/kg	0.0011	0.00031	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00016	1
1,2-Dibromoethane	ND		mg/kg	0.00057	0.00034	1
2-Hexanone	ND		mg/kg	0.011	0.0014	1
Chlorobenzene	ND		mg/kg	0.00057	0.00014	1
Ethylbenzene	0.00037	J	mg/kg	0.0011	0.00016	1
p/m-Xylene	0.0016	J	mg/kg	0.0023	0.00064	1
o-Xylene	0.00068	J	mg/kg	0.0011	0.00033	1
Xylenes, Total	0.0023	J	mg/kg	0.0011	0.00033	1
Styrene	ND		mg/kg	0.0011	0.00022	1
Bromoform	ND		mg/kg	0.0046	0.00028	1
Isopropylbenzene	0.00015	J	mg/kg	0.0011	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00057	0.00019	1
1,2,4-Trimethylbenzene	0.0035		mg/kg	0.0023	0.00038	1
1,3-Dichlorobenzene	ND		mg/kg	0.0023	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0023	0.00020	1
1,2-Dichlorobenzene	ND		mg/kg	0.0023	0.00016	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0034	0.0011	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0023	0.00031	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0023	0.00037	1

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-02
Client ID: SB-102 (2.5-3)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:20
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.0568	J	mg/kg			1
Unknown Benzene	0.00311	J	mg/kg			1
Unknown Alkane	0.00411	J	mg/kg			1
Unknown Benzene	0.00269	J	mg/kg			1
Naphthalene	0.00303	NJ	mg/kg			1
Unknown Alkane	0.00758	J	mg/kg			1
Unknown Benzene	0.00389	J	mg/kg			1
Unknown	0.00297	J	mg/kg			1
Unknown	0.00393	J	mg/kg			1
Unknown Alkane	0.00269	J	mg/kg			1
Unknown Benzene	0.00294	J	mg/kg			1
Unknown Aromatic	0.00498	J	mg/kg			1
Decane (C10)	0.00581	NJ	mg/kg			1
Unknown Benzene	0.00319	J	mg/kg			1
Unknown	0.00298	J	mg/kg			1
Unknown Alkane	0.00285	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-03 D
Client ID: SB-103 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:25
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/30/21 03:00
Analyst: NLK
Percent Solids: 63%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	2.6	0.24	2
Chloromethane	ND		mg/kg	1.0	0.24	2
Vinyl chloride	ND		mg/kg	0.26	0.088	2
Bromomethane	ND		mg/kg	0.52	0.15	2
Chloroethane	ND		mg/kg	0.52	0.12	2
Trichlorofluoromethane	ND		mg/kg	1.0	0.18	2
1,1-Dichloroethene	ND		mg/kg	0.26	0.062	2
Carbon disulfide	ND		mg/kg	2.6	1.2	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	1.0	0.18	2
Methylene chloride	ND		mg/kg	1.3	0.60	2
Acetone	ND		mg/kg	2.6	1.2	2
trans-1,2-Dichloroethene	ND		mg/kg	0.39	0.036	2
Methyl Acetate	ND		mg/kg	1.0	0.25	2
Methyl tert butyl ether	ND		mg/kg	0.52	0.052	2
1,1-Dichloroethane	ND		mg/kg	0.26	0.038	2
cis-1,2-Dichloroethene	ND		mg/kg	0.26	0.046	2
1,2-Dichloroethene, Total	ND		mg/kg	0.26	0.036	2
Cyclohexane	19.		mg/kg	2.6	0.14	2
Bromochloromethane	ND		mg/kg	0.52	0.054	2
Chloroform	ND		mg/kg	0.39	0.037	2
Carbon tetrachloride	ND		mg/kg	0.26	0.060	2
1,1,1-Trichloroethane	ND		mg/kg	0.13	0.044	2
2-Butanone	ND		mg/kg	2.6	0.58	2
Benzene	ND		mg/kg	0.13	0.043	2
1,2-Dichloroethane	ND		mg/kg	0.26	0.067	2
Methyl cyclohexane	65.		mg/kg	1.0	0.16	2
Trichloroethene	ND		mg/kg	0.13	0.036	2
1,2-Dichloropropane	ND		mg/kg	0.26	0.033	2

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-03 D
Client ID: SB-103 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:25
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.13	0.028	2
1,4-Dioxane	ND		mg/kg	21	9.2	2
cis-1,3-Dichloropropene	ND		mg/kg	0.13	0.041	2
Toluene	0.22	J	mg/kg	0.26	0.14	2
4-Methyl-2-pentanone	ND		mg/kg	2.6	0.33	2
Tetrachloroethene	ND		mg/kg	0.13	0.051	2
trans-1,3-Dichloropropene	ND		mg/kg	0.26	0.071	2
1,3-Dichloropropene, Total	ND		mg/kg	0.13	0.041	2
1,1,2-Trichloroethane	ND		mg/kg	0.26	0.070	2
Dibromochloromethane	ND		mg/kg	0.26	0.037	2
1,2-Dibromoethane	ND		mg/kg	0.13	0.077	2
2-Hexanone	ND		mg/kg	2.6	0.31	2
Chlorobenzene	ND		mg/kg	0.13	0.033	2
Ethylbenzene	12.		mg/kg	0.26	0.037	2
p/m-Xylene	9.5		mg/kg	0.52	0.15	2
o-Xylene	2.2		mg/kg	0.26	0.076	2
Xylenes, Total	12.		mg/kg	0.26	0.076	2
Styrene	ND		mg/kg	0.26	0.051	2
Bromoform	ND		mg/kg	1.0	0.064	2
Isopropylbenzene	12.		mg/kg	0.26	0.028	2
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.13	0.043	2
1,2,4-Trimethylbenzene	130	E	mg/kg	0.52	0.087	2
1,3-Dichlorobenzene	ND		mg/kg	0.52	0.039	2
1,4-Dichlorobenzene	0.050	J	mg/kg	0.52	0.045	2
1,2-Dichlorobenzene	0.35	J	mg/kg	0.52	0.038	2
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.78	0.26	2
1,2,4-Trichlorobenzene	ND		mg/kg	0.52	0.071	2
1,2,3-Trichlorobenzene	ND		mg/kg	0.52	0.084	2

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-03 **D**
Client ID: SB-103 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:25
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	379.	J	mg/kg			2
Unknown Cyclohexane	26.2	J	mg/kg			2
Unknown Alkane	23.9	J	mg/kg			2
Unknown Cyclohexane	23.0	J	mg/kg			2
Unknown Alkane	18.5	J	mg/kg			2
Unknown Alkane	21.0	J	mg/kg			2
Unknown Cyclohexane	23.1	J	mg/kg			2
Unknown	32.2	J	mg/kg			2
Unknown	24.1	J	mg/kg			2
Cyclohexane, ethyl-	24.1	NJ	mg/kg			2
Unknown	39.0	J	mg/kg			2
Unknown Cyclohexane	29.5	J	mg/kg			2
Unknown Alkane	19.0	J	mg/kg			2
Unknown Alkane	29.3	J	mg/kg			2
Octane, 3-methyl-	26.3	NJ	mg/kg			2
Unknown	20.1	J	mg/kg			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	120		70-130
4-Bromofluorobenzene	156	Q	70-130
Dibromofluoromethane	82		70-130

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-04 D
Client ID: SB-104 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:35
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/30/21 02:34
Analyst: NLK
Percent Solids: 53%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	3.0	0.27	2
Chloromethane	ND		mg/kg	1.2	0.28	2
Vinyl chloride	ND		mg/kg	0.30	0.099	2
Bromomethane	ND		mg/kg	0.59	0.17	2
Chloroethane	ND		mg/kg	0.59	0.13	2
Trichlorofluoromethane	ND		mg/kg	1.2	0.21	2
1,1-Dichloroethene	ND		mg/kg	0.30	0.070	2
Carbon disulfide	ND		mg/kg	3.0	1.3	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	1.2	0.20	2
Methylene chloride	ND		mg/kg	1.5	0.68	2
Acetone	ND		mg/kg	3.0	1.4	2
trans-1,2-Dichloroethene	ND		mg/kg	0.44	0.041	2
Methyl Acetate	ND		mg/kg	1.2	0.28	2
Methyl tert butyl ether	ND		mg/kg	0.59	0.060	2
1,1-Dichloroethane	ND		mg/kg	0.30	0.043	2
cis-1,2-Dichloroethene	ND		mg/kg	0.30	0.052	2
1,2-Dichloroethene, Total	ND		mg/kg	0.30	0.041	2
Cyclohexane	6.6		mg/kg	3.0	0.16	2
Bromochloromethane	ND		mg/kg	0.59	0.061	2
Chloroform	ND		mg/kg	0.44	0.042	2
Carbon tetrachloride	ND		mg/kg	0.30	0.068	2
1,1,1-Trichloroethane	ND		mg/kg	0.15	0.050	2
2-Butanone	ND		mg/kg	3.0	0.66	2
Benzene	ND		mg/kg	0.15	0.049	2
1,2-Dichloroethane	ND		mg/kg	0.30	0.076	2
Methyl cyclohexane	24.		mg/kg	1.2	0.18	2
Trichloroethene	ND		mg/kg	0.15	0.041	2
1,2-Dichloropropane	ND		mg/kg	0.30	0.037	2

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-04 D
Client ID: SB-104 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:35
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.15	0.032	2
1,4-Dioxane	ND		mg/kg	24	10.	2
cis-1,3-Dichloropropene	ND		mg/kg	0.15	0.047	2
Toluene	ND		mg/kg	0.30	0.16	2
4-Methyl-2-pentanone	ND		mg/kg	3.0	0.38	2
Tetrachloroethene	ND		mg/kg	0.15	0.058	2
trans-1,3-Dichloropropene	ND		mg/kg	0.30	0.081	2
1,3-Dichloropropene, Total	ND		mg/kg	0.15	0.047	2
1,1,2-Trichloroethane	ND		mg/kg	0.30	0.079	2
Dibromochloromethane	ND		mg/kg	0.30	0.042	2
1,2-Dibromoethane	ND		mg/kg	0.15	0.087	2
2-Hexanone	ND		mg/kg	3.0	0.35	2
Chlorobenzene	ND		mg/kg	0.15	0.038	2
Ethylbenzene	0.15	J	mg/kg	0.30	0.042	2
p/m-Xylene	0.56	J	mg/kg	0.59	0.17	2
o-Xylene	0.31		mg/kg	0.30	0.086	2
Xylenes, Total	0.87	J	mg/kg	0.30	0.086	2
Styrene	ND		mg/kg	0.30	0.058	2
Bromoform	ND		mg/kg	1.2	0.073	2
Isopropylbenzene	0.33		mg/kg	0.30	0.032	2
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.15	0.049	2
1,2,4-Trimethylbenzene	7.3		mg/kg	0.59	0.099	2
1,3-Dichlorobenzene	ND		mg/kg	0.59	0.044	2
1,4-Dichlorobenzene	ND		mg/kg	0.59	0.051	2
1,2-Dichlorobenzene	ND		mg/kg	0.59	0.043	2
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.89	0.30	2
1,2,4-Trichlorobenzene	ND		mg/kg	0.59	0.081	2
1,2,3-Trichlorobenzene	ND		mg/kg	0.59	0.095	2

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-04 **D**
Client ID: SB-104 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:35
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	172.	J	mg/kg			2
Unknown	5.93	J	mg/kg			2
Unknown	4.51	J	mg/kg			2
Unknown	5.93	J	mg/kg			2
Unknown	7.88	J	mg/kg			2
Undecane	17.7	NJ	mg/kg			2
Unknown Alkane	58.7	J	mg/kg			2
Unknown	10.9	J	mg/kg			2
Unknown Alkane	4.51	J	mg/kg			2
Octane	10.7	NJ	mg/kg			2
Heptane, 2-methyl-	7.08	NJ	mg/kg			2
Unknown	7.33	J	mg/kg			2
Unknown Alkane	6.36	J	mg/kg			2
Unknown Cyclohexane	6.56	J	mg/kg			2
Unknown Alkane	12.6	J	mg/kg			2
Heptane	5.84	NJ	mg/kg			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	258	Q	70-130
Dibromofluoromethane	88		70-130

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-05
Client ID: SB-105 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:45
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/30/21 01:17
Analyst: NLK
Percent Solids: 55%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	1.5	0.13	1
Chloromethane	ND		mg/kg	0.59	0.14	1
Vinyl chloride	ND		mg/kg	0.15	0.049	1
Bromomethane	ND		mg/kg	0.29	0.085	1
Chloroethane	ND		mg/kg	0.29	0.066	1
Trichlorofluoromethane	ND		mg/kg	0.59	0.10	1
1,1-Dichloroethene	ND		mg/kg	0.15	0.035	1
Carbon disulfide	ND		mg/kg	1.5	0.67	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.59	0.10	1
Methylene chloride	ND		mg/kg	0.73	0.34	1
Acetone	ND		mg/kg	1.5	0.71	1
trans-1,2-Dichloroethene	ND		mg/kg	0.22	0.020	1
Methyl Acetate	ND		mg/kg	0.59	0.14	1
Methyl tert butyl ether	ND		mg/kg	0.29	0.030	1
1,1-Dichloroethane	ND		mg/kg	0.15	0.021	1
cis-1,2-Dichloroethene	ND		mg/kg	0.15	0.026	1
1,2-Dichloroethene, Total	ND		mg/kg	0.15	0.020	1
Cyclohexane	1.2	J	mg/kg	1.5	0.080	1
Bromochloromethane	ND		mg/kg	0.29	0.030	1
Chloroform	ND		mg/kg	0.22	0.020	1
Carbon tetrachloride	ND		mg/kg	0.15	0.034	1
1,1,1-Trichloroethane	ND		mg/kg	0.073	0.024	1
2-Butanone	ND		mg/kg	1.5	0.33	1
Benzene	1.8		mg/kg	0.073	0.024	1
1,2-Dichloroethane	ND		mg/kg	0.15	0.038	1
Methyl cyclohexane	1.8		mg/kg	0.59	0.088	1
Trichloroethene	ND		mg/kg	0.073	0.020	1
1,2-Dichloropropane	ND		mg/kg	0.15	0.018	1

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-05
Client ID: SB-105 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:45
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.073	0.016	1
1,4-Dioxane	ND		mg/kg	12	5.2	1
cis-1,3-Dichloropropene	ND		mg/kg	0.073	0.023	1
Toluene	5.5		mg/kg	0.15	0.080	1
4-Methyl-2-pentanone	ND		mg/kg	1.5	0.19	1
Tetrachloroethene	ND		mg/kg	0.073	0.029	1
trans-1,3-Dichloropropene	ND		mg/kg	0.15	0.040	1
1,3-Dichloropropene, Total	ND		mg/kg	0.073	0.023	1
1,1,2-Trichloroethane	ND		mg/kg	0.15	0.039	1
Dibromochloromethane	ND		mg/kg	0.15	0.020	1
1,2-Dibromoethane	ND		mg/kg	0.073	0.043	1
2-Hexanone	ND		mg/kg	1.5	0.17	1
Chlorobenzene	ND		mg/kg	0.073	0.019	1
Ethylbenzene	8.3		mg/kg	0.15	0.021	1
p/m-Xylene	20.		mg/kg	0.29	0.082	1
o-Xylene	4.0		mg/kg	0.15	0.043	1
Xylenes, Total	24.		mg/kg	0.15	0.043	1
Styrene	ND		mg/kg	0.15	0.029	1
Bromoform	ND		mg/kg	0.59	0.036	1
Isopropylbenzene	4.4		mg/kg	0.15	0.016	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.073	0.024	1
1,2,4-Trimethylbenzene	38.		mg/kg	0.29	0.049	1
1,3-Dichlorobenzene	ND		mg/kg	0.29	0.022	1
1,4-Dichlorobenzene	ND		mg/kg	0.29	0.025	1
1,2-Dichlorobenzene	ND		mg/kg	0.29	0.021	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.44	0.15	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.29	0.040	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.29	0.047	1

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-05
Client ID: SB-105 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:45
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	96.4	J	mg/kg			1
Unknown Benzene	3.80	J	mg/kg			1
Unknown Alkane	6.67	J	mg/kg			1
Unknown	10.7	J	mg/kg			1
Unknown Benzene	8.62	J	mg/kg			1
Unknown Benzene	12.7	J	mg/kg			1
Octane, 3-methyl-	7.18	NJ	mg/kg			1
Unknown Alkane	5.06	J	mg/kg			1
Unknown Benzene	3.94	J	mg/kg			1
Unknown Benzene	5.20	J	mg/kg			1
Unknown Benzene	6.95	J	mg/kg			1
Benzene, Propyl-	5.25	NJ	mg/kg			1
Unknown Aromatic	3.37	J	mg/kg			1
Unknown Aromatic	7.43	J	mg/kg			1
Hexane, 2,3-dimethyl-	4.77	NJ	mg/kg			1
Naphthalene	4.76	NJ	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	89		70-130

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-06
Client ID: SB-106 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:55
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/30/21 04:17
Analyst: NLK
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.017	0.0016	1
Chloromethane	ND		mg/kg	0.0069	0.0016	1
Vinyl chloride	ND		mg/kg	0.0017	0.00058	1
Bromomethane	ND		mg/kg	0.0034	0.0010	1
Chloroethane	ND		mg/kg	0.0034	0.00078	1
Trichlorofluoromethane	ND		mg/kg	0.0069	0.0012	1
1,1-Dichloroethene	ND		mg/kg	0.0017	0.00041	1
Carbon disulfide	ND		mg/kg	0.017	0.0078	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0069	0.0012	1
Methylene chloride	ND		mg/kg	0.0086	0.0039	1
Acetone	0.038	J	mg/kg	0.043	0.017	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0026	0.00024	1
Methyl Acetate	ND		mg/kg	0.0069	0.0016	1
Methyl tert butyl ether	0.00049	J	mg/kg	0.0034	0.00035	1
1,1-Dichloroethane	ND		mg/kg	0.0017	0.00025	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00030	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0017	0.00024	1
Cyclohexane	0.0043	J	mg/kg	0.017	0.00094	1
Bromochloromethane	ND		mg/kg	0.0034	0.00035	1
Chloroform	ND		mg/kg	0.0026	0.00024	1
Carbon tetrachloride	ND		mg/kg	0.0017	0.00040	1
1,1,1-Trichloroethane	ND		mg/kg	0.00086	0.00029	1
2-Butanone	ND		mg/kg	0.017	0.0038	1
Benzene	0.0094		mg/kg	0.00086	0.00029	1
1,2-Dichloroethane	ND		mg/kg	0.0017	0.00044	1
Methyl cyclohexane	0.0014	J	mg/kg	0.0069	0.0010	1
Trichloroethene	ND		mg/kg	0.00086	0.00024	1
1,2-Dichloropropane	ND		mg/kg	0.0017	0.00022	1

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-06
Client ID: SB-106 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:55
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00086	0.00019	1
1,4-Dioxane	ND		mg/kg	0.14	0.060	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00086	0.00027	1
Toluene	0.017		mg/kg	0.0017	0.00094	1
4-Methyl-2-pentanone	ND		mg/kg	0.017	0.0022	1
Tetrachloroethene	ND		mg/kg	0.00086	0.00034	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0017	0.00047	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00086	0.00027	1
1,1,2-Trichloroethane	ND		mg/kg	0.0017	0.00046	1
Dibromochloromethane	ND		mg/kg	0.0017	0.00024	1
1,2-Dibromoethane	ND		mg/kg	0.00086	0.00050	1
2-Hexanone	ND		mg/kg	0.017	0.0020	1
Chlorobenzene	ND		mg/kg	0.00086	0.00022	1
Ethylbenzene	0.0054		mg/kg	0.0017	0.00024	1
p/m-Xylene	0.019		mg/kg	0.0034	0.00096	1
o-Xylene	0.028		mg/kg	0.0017	0.00050	1
Xylenes, Total	0.047		mg/kg	0.0017	0.00050	1
Styrene	0.00090	J	mg/kg	0.0017	0.00034	1
Bromoform	ND		mg/kg	0.0069	0.00042	1
Isopropylbenzene	0.0026		mg/kg	0.0017	0.00019	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00086	0.00029	1
1,2,4-Trimethylbenzene	0.017		mg/kg	0.0034	0.00058	1
1,3-Dichlorobenzene	ND		mg/kg	0.0034	0.00026	1
1,4-Dichlorobenzene	ND		mg/kg	0.0034	0.00029	1
1,2-Dichlorobenzene	ND		mg/kg	0.0034	0.00025	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0052	0.0017	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0034	0.00047	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0034	0.00056	1

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-06
Client ID: SB-106 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:55
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.493	J	mg/kg	1
Indane	0.0293	NJ	mg/kg	1
Unknown Aromatic	0.0207	J	mg/kg	1
Unknown Aromatic	0.0158	J	mg/kg	1
Unknown Aromatic	0.0453	J	mg/kg	1
Unknown Benzene	0.0111	J	mg/kg	1
Unknown Benzene	0.00926	J	mg/kg	1
Unknown Benzene	0.00879	J	mg/kg	1
Unknown Benzene	0.00958	J	mg/kg	1
Naphthalene	0.276	NJ	mg/kg	1
Unknown	0.00915	J	mg/kg	1
Unknown	0.0106	J	mg/kg	1
Unknown Benzene	0.0104	J	mg/kg	1
Unknown Aromatic	0.0370	J	mg/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	87		70-130

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-07
Client ID: SB-107 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 15:00
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/30/21 00:25
Analyst: NLK
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.021	0.0019	1
Chloromethane	ND		mg/kg	0.0085	0.0020	1
Vinyl chloride	ND		mg/kg	0.0021	0.00071	1
Bromomethane	ND		mg/kg	0.0042	0.0012	1
Chloroethane	ND		mg/kg	0.0042	0.00096	1
Trichlorofluoromethane	ND		mg/kg	0.0085	0.0015	1
1,1-Dichloroethene	ND		mg/kg	0.0021	0.00050	1
Carbon disulfide	ND		mg/kg	0.021	0.0096	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0085	0.0015	1
Methylene chloride	ND		mg/kg	0.011	0.0048	1
Acetone	0.079		mg/kg	0.053	0.021	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0032	0.00029	1
Methyl Acetate	ND		mg/kg	0.0085	0.0020	1
Methyl tert butyl ether	ND		mg/kg	0.0042	0.00043	1
1,1-Dichloroethane	ND		mg/kg	0.0021	0.00031	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0021	0.00037	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0021	0.00029	1
Cyclohexane	ND		mg/kg	0.021	0.0012	1
Bromochloromethane	ND		mg/kg	0.0042	0.00044	1
Chloroform	ND		mg/kg	0.0032	0.00030	1
Carbon tetrachloride	ND		mg/kg	0.0021	0.00049	1
1,1,1-Trichloroethane	ND		mg/kg	0.0011	0.00035	1
2-Butanone	ND		mg/kg	0.021	0.0047	1
Benzene	ND		mg/kg	0.0011	0.00035	1
1,2-Dichloroethane	ND		mg/kg	0.0021	0.00054	1
Methyl cyclohexane	ND		mg/kg	0.0085	0.0013	1
Trichloroethene	ND		mg/kg	0.0011	0.00029	1
1,2-Dichloropropane	ND		mg/kg	0.0021	0.00026	1

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-07
Client ID: SB-107 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 15:00
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.0011	0.00023	1
1,4-Dioxane	ND		mg/kg	0.17	0.074	1
cis-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00034	1
Toluene	ND		mg/kg	0.0021	0.0012	1
4-Methyl-2-pentanone	ND		mg/kg	0.021	0.0027	1
Tetrachloroethene	ND		mg/kg	0.0011	0.00042	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0021	0.00058	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0011	0.00034	1
1,1,2-Trichloroethane	ND		mg/kg	0.0021	0.00057	1
Dibromochloromethane	ND		mg/kg	0.0021	0.00030	1
1,2-Dibromoethane	ND		mg/kg	0.0011	0.00062	1
2-Hexanone	ND		mg/kg	0.021	0.0025	1
Chlorobenzene	ND		mg/kg	0.0011	0.00027	1
Ethylbenzene	ND		mg/kg	0.0021	0.00030	1
p/m-Xylene	ND		mg/kg	0.0042	0.0012	1
o-Xylene	ND		mg/kg	0.0021	0.00062	1
Xylenes, Total	ND		mg/kg	0.0021	0.00062	1
Styrene	ND		mg/kg	0.0021	0.00042	1
Bromoform	ND		mg/kg	0.0085	0.00052	1
Isopropylbenzene	ND		mg/kg	0.0021	0.00023	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0011	0.00035	1
1,2,4-Trimethylbenzene	0.00076	J	mg/kg	0.0042	0.00071	1
1,3-Dichlorobenzene	ND		mg/kg	0.0042	0.00031	1
1,4-Dichlorobenzene	ND		mg/kg	0.0042	0.00036	1
1,2-Dichlorobenzene	ND		mg/kg	0.0042	0.00030	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0064	0.0021	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0042	0.00058	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0042	0.00068	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	mg/kg	1
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Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-07
Client ID: SB-107 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 15:00
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/29/21 20:32
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06-07 Batch: WG1565246-5					
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Chloromethane	ND		mg/kg	0.0040	0.00093
Vinyl chloride	ND		mg/kg	0.0010	0.00034
Bromomethane	ND		mg/kg	0.0020	0.00058
Chloroethane	ND		mg/kg	0.0020	0.00045
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024
Carbon disulfide	ND		mg/kg	0.010	0.0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069
Methylene chloride	ND		mg/kg	0.0050	0.0023
Acetone	ND		mg/kg	0.025	0.010
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Methyl Acetate	ND		mg/kg	0.0040	0.00095
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014
Cyclohexane	ND		mg/kg	0.010	0.00054
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Chloroform	ND		mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
2-Butanone	ND		mg/kg	0.010	0.0022
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Bromodichloromethane	ND		mg/kg	0.00050	0.00011

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/29/21 20:32
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06-07 Batch: WG1565246-5					
1,4-Dioxane	ND		mg/kg	0.080	0.035
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
Toluene	0.00061	J	mg/kg	0.0010	0.00054
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
2-Hexanone	ND		mg/kg	0.010	0.0012
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Styrene	ND		mg/kg	0.0010	0.00020
Bromoform	ND		mg/kg	0.0040	0.00025
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/29/21 20:32
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06-07 Batch: WG1565246-5					

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	mg/kg
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Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	91		70-130

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/29/21 20:32
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-05 Batch: WG1565247-5					
Dichlorodifluoromethane	ND		mg/kg	0.50	0.046
Chloromethane	ND		mg/kg	0.20	0.047
Vinyl chloride	ND		mg/kg	0.050	0.017
Bromomethane	ND		mg/kg	0.10	0.029
Chloroethane	ND		mg/kg	0.10	0.023
Trichlorofluoromethane	ND		mg/kg	0.20	0.035
1,1-Dichloroethene	ND		mg/kg	0.050	0.012
Carbon disulfide	ND		mg/kg	0.50	0.23
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.20	0.035
Methylene chloride	ND		mg/kg	0.25	0.11
Acetone	ND		mg/kg	0.50	0.24
trans-1,2-Dichloroethene	ND		mg/kg	0.075	0.0068
Methyl Acetate	ND		mg/kg	0.20	0.048
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
1,1-Dichloroethane	ND		mg/kg	0.050	0.0072
cis-1,2-Dichloroethene	ND		mg/kg	0.050	0.0088
1,2-Dichloroethene, Total	ND		mg/kg	0.050	0.0068
Cyclohexane	ND		mg/kg	0.50	0.027
Bromochloromethane	ND		mg/kg	0.10	0.010
Chloroform	ND		mg/kg	0.075	0.0070
Carbon tetrachloride	ND		mg/kg	0.050	0.012
1,1,1-Trichloroethane	ND		mg/kg	0.025	0.0084
2-Butanone	ND		mg/kg	0.50	0.11
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Methyl cyclohexane	ND		mg/kg	0.20	0.030
Trichloroethene	ND		mg/kg	0.025	0.0068
1,2-Dichloropropane	ND		mg/kg	0.050	0.0062
Bromodichloromethane	ND		mg/kg	0.025	0.0054

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/29/21 20:32
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-05 Batch: WG1565247-5					
1,4-Dioxane	ND		mg/kg	4.0	1.8
cis-1,3-Dichloropropene	ND		mg/kg	0.025	0.0079
Toluene	0.030	J	mg/kg	0.050	0.027
4-Methyl-2-pentanone	ND		mg/kg	0.50	0.064
Tetrachloroethene	ND		mg/kg	0.025	0.0098
trans-1,3-Dichloropropene	ND		mg/kg	0.050	0.014
1,3-Dichloropropene, Total	ND		mg/kg	0.025	0.0079
1,1,2-Trichloroethane	ND		mg/kg	0.050	0.013
Dibromochloromethane	ND		mg/kg	0.050	0.0070
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
2-Hexanone	ND		mg/kg	0.50	0.059
Chlorobenzene	ND		mg/kg	0.025	0.0064
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Styrene	ND		mg/kg	0.050	0.0098
Bromoform	ND		mg/kg	0.20	0.012
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.025	0.0083
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	0.017
1,3-Dichlorobenzene	ND		mg/kg	0.10	0.0074
1,4-Dichlorobenzene	ND		mg/kg	0.10	0.0086
1,2-Dichlorobenzene	ND		mg/kg	0.10	0.0072
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.15	0.050
1,2,4-Trichlorobenzene	ND		mg/kg	0.10	0.014
1,2,3-Trichlorobenzene	ND		mg/kg	0.10	0.016

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/29/21 20:32
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-05 Batch: WG1565247-5					

Tentatively Identified Compounds

No Tentatively Identified Compounds ND mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST ST.

Lab Number: L2158500

Project Number: 30108678

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-07 Batch: WG1565246-3 WG1565246-4								
Dichlorodifluoromethane	84		85		30-146	1		30
Chloromethane	105		107		52-130	2		30
Vinyl chloride	82		84		67-130	2		30
Bromomethane	57		58		57-147	2		30
Chloroethane	69		72		50-151	4		30
Trichlorofluoromethane	75		77		70-139	3		30
1,1-Dichloroethene	83		86		65-135	4		30
Carbon disulfide	69		70		59-130	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		90		50-139	3		30
Methylene chloride	76		78		70-130	3		30
Acetone	96		100		54-140	4		30
trans-1,2-Dichloroethene	84		84		70-130	0		30
Methyl Acetate	93		98		51-146	5		30
Methyl tert butyl ether	75		77		66-130	3		30
1,1-Dichloroethane	95		99		70-130	4		30
cis-1,2-Dichloroethene	81		84		70-130	4		30
Cyclohexane	105		109		59-142	4		30
Bromochloromethane	84		88		70-130	5		30
Chloroform	78		81		70-130	4		30
Carbon tetrachloride	83		86		70-130	4		30
1,1,1-Trichloroethane	82		84		70-130	2		30
2-Butanone	73		83		70-130	13		30
Benzene	81		83		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ALLIANCE-S. 51ST ST.

Lab Number: L2158500

Project Number: 30108678

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-07 Batch: WG1565246-3 WG1565246-4								
1,2-Dichloroethane	88		91		70-130	3		30
Methyl cyclohexane	80		82		70-130	2		30
Trichloroethene	81		83		70-130	2		30
1,2-Dichloropropane	97		100		70-130	3		30
Bromodichloromethane	80		81		70-130	1		30
cis-1,3-Dichloropropene	86		89		70-130	3		30
Toluene	82		84		70-130	2		30
4-Methyl-2-pentanone	105		106		70-130	1		30
Tetrachloroethene	88		90		70-130	2		30
trans-1,3-Dichloropropene	87		90		70-130	3		30
1,1,2-Trichloroethane	85		88		70-130	3		30
Dibromochloromethane	90		94		70-130	4		30
1,2-Dibromoethane	83		85		70-130	2		30
2-Hexanone	96		99		70-130	3		30
Chlorobenzene	84		86		70-130	2		30
Ethylbenzene	82		84		70-130	2		30
p/m-Xylene	85		87		70-130	2		30
o-Xylene	85		88		70-130	3		30
Styrene	84		86		70-130	2		30
Bromoform	95		97		70-130	2		30
Isopropylbenzene	88		90		70-130	2		30
1,1,2,2-Tetrachloroethane	88		91		70-130	3		30
1,2,4-Trimethylbenzene	87		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST ST.

Project Number: 30108678

Lab Number: L2158500

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-07 Batch: WG1565246-3 WG1565246-4								
1,3-Dichlorobenzene	91		92		70-130	1		30
1,4-Dichlorobenzene	88		90		70-130	2		30
1,2-Dichlorobenzene	92		94		70-130	2		30
1,2-Dibromo-3-chloropropane	81		86		68-130	6		30
1,2,4-Trichlorobenzene	95		96		70-130	1		30
1,2,3-Trichlorobenzene	94		96		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	93		93		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE-S. 51ST ST.

Lab Number: L2158500

Project Number: 30108678

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1565247-3 WG1565247-4								
Dichlorodifluoromethane	84		85		30-146	1		30
Chloromethane	105		107		52-130	2		30
Vinyl chloride	82		84		67-130	2		30
Bromomethane	57		58		57-147	2		30
Chloroethane	69		72		50-151	4		30
Trichlorofluoromethane	75		77		70-139	3		30
1,1-Dichloroethene	83		86		65-135	4		30
Carbon disulfide	69		70		59-130	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		90		50-139	3		30
Methylene chloride	76		78		70-130	3		30
Acetone	96		100		54-140	4		30
trans-1,2-Dichloroethene	84		84		70-130	0		30
Methyl Acetate	93		98		51-146	5		30
Methyl tert butyl ether	75		77		66-130	3		30
1,1-Dichloroethane	95		99		70-130	4		30
cis-1,2-Dichloroethene	81		84		70-130	4		30
Cyclohexane	105		109		59-142	4		30
Bromochloromethane	84		88		70-130	5		30
Chloroform	78		81		70-130	4		30
Carbon tetrachloride	83		86		70-130	4		30
1,1,1-Trichloroethane	82		84		70-130	2		30
2-Butanone	73		83		70-130	13		30
Benzene	81		83		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST ST.

Lab Number: L2158500

Project Number: 30108678

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1565247-3 WG1565247-4								
1,2-Dichloroethane	88		91		70-130	3		30
Methyl cyclohexane	80		82		70-130	2		30
Trichloroethene	81		83		70-130	2		30
1,2-Dichloropropane	97		100		70-130	3		30
Bromodichloromethane	80		81		70-130	1		30
cis-1,3-Dichloropropene	86		89		70-130	3		30
Toluene	82		84		70-130	2		30
4-Methyl-2-pentanone	105		106		70-130	1		30
Tetrachloroethene	88		90		70-130	2		30
trans-1,3-Dichloropropene	87		90		70-130	3		30
1,1,2-Trichloroethane	85		88		70-130	3		30
Dibromochloromethane	90		94		70-130	4		30
1,2-Dibromoethane	83		85		70-130	2		30
2-Hexanone	96		99		70-130	3		30
Chlorobenzene	84		86		70-130	2		30
Ethylbenzene	82		84		70-130	2		30
p/m-Xylene	85		87		70-130	2		30
o-Xylene	85		88		70-130	3		30
Styrene	84		86		70-130	2		30
Bromoform	95		97		70-130	2		30
Isopropylbenzene	88		90		70-130	2		30
1,1,2,2-Tetrachloroethane	88		91		70-130	3		30
1,2,4-Trimethylbenzene	87		88		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST ST.

Project Number: 30108678

Lab Number: L2158500

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1565247-3 WG1565247-4								
1,3-Dichlorobenzene	91		92		70-130	1		30
1,4-Dichlorobenzene	88		90		70-130	2		30
1,2-Dichlorobenzene	92		94		70-130	2		30
1,2-Dibromo-3-chloropropane	81		86		68-130	6		30
1,2,4-Trichlorobenzene	95		96		70-130	1		30
1,2,3-Trichlorobenzene	94		96		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	93		93		70-130

SEMIVOLATILES

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-03 D
Client ID: SB-103 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:25
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 10:59
Analyst: WR
Percent Solids: 63%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 15:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		mg/kg	1.7	0.35	5
Phenol	ND		mg/kg	1.3	0.19	5
2-Chlorophenol	ND		mg/kg	1.3	0.15	5
2-Methylphenol	ND		mg/kg	1.3	0.20	5
Bis(2-chloroisopropyl)ether	ND		mg/kg	1.5	0.22	5
Acetophenone	ND		mg/kg	1.3	0.16	5
1,4-Dioxane	ND		mg/kg	0.19	0.059	5
3-Methylphenol/4-Methylphenol	ND		mg/kg	1.8	0.20	5
Hexachloroethane	ND		mg/kg	1.0	0.21	5
Nitrobenzene	ND		mg/kg	1.2	0.19	5
Isophorone	ND		mg/kg	1.2	0.17	5
2-Nitrophenol	ND		mg/kg	2.8	0.48	5
2,4-Dimethylphenol	ND		mg/kg	1.3	0.42	5
Bis(2-chloroethoxy)methane	ND		mg/kg	1.4	0.13	5
2,4-Dichlorophenol	ND		mg/kg	1.2	0.21	5
Naphthalene	13.		mg/kg	1.3	0.16	5
4-Chloroaniline	ND		mg/kg	1.3	0.23	5
Hexachlorobutadiene	ND		mg/kg	1.3	0.19	5
Caprolactam	ND		mg/kg	1.3	0.39	5
p-Chloro-m-cresol	ND		mg/kg	1.3	0.19	5
2-Methylnaphthalene	23.		mg/kg	1.5	0.16	5
Hexachlorocyclopentadiene	ND		mg/kg	3.7	1.2	5
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	1.3	0.13	5
2,4,6-Trichlorophenol	ND		mg/kg	0.77	0.24	5
2,4,5-Trichlorophenol	ND		mg/kg	1.3	0.25	5
Biphenyl	2.8	J	mg/kg	2.9	0.30	5
2-Chloronaphthalene	ND		mg/kg	1.3	0.13	5
2-Nitroaniline	ND		mg/kg	1.3	0.25	5

Project Name: ALLIANCE-S. 51ST ST.**Lab Number:** L2158500**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158500-03 D

Date Collected: 10/25/21 14:25

Client ID: SB-103 (4.5-5)

Date Received: 10/26/21

Sample Location: PHILADELPHIA, PA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		mg/kg	1.3	0.27	5
2,6-Dinitrotoluene	ND		mg/kg	1.3	0.22	5
Acenaphthylene	ND		mg/kg	1.0	0.20	5
3-Nitroaniline	ND		mg/kg	1.3	0.24	5
Acenaphthene	3.1		mg/kg	1.0	0.13	5
2,4-Dinitrophenol	ND		mg/kg	6.2	0.60	5
4-Nitrophenol	ND		mg/kg	1.8	0.52	5
2,4-Dinitrotoluene	ND		mg/kg	1.3	0.26	5
Dibenzofuran	1.7		mg/kg	1.3	0.12	5
2,3,4,6-Tetrachlorophenol	ND		mg/kg	1.3	0.26	5
Diethyl phthalate	ND		mg/kg	1.3	0.12	5
Fluorene	2.8		mg/kg	1.3	0.12	5
4-Chlorophenyl phenyl ether	ND		mg/kg	1.3	0.14	5
4-Nitroaniline	ND		mg/kg	1.3	0.53	5
4,6-Dinitro-o-cresol	ND		mg/kg	3.3	0.62	5
NDPA/DPA	ND		mg/kg	1.0	0.15	5
4-Bromophenyl phenyl ether	ND		mg/kg	1.3	0.20	5
Hexachlorobenzene	ND		mg/kg	0.77	0.14	5
Pentachlorophenol	ND		mg/kg	1.0	0.28	5
Atrazine	ND		mg/kg	1.0	0.45	5
Phenanthrene	8.4		mg/kg	0.77	0.16	5
Anthracene	1.1		mg/kg	0.77	0.25	5
Carbazole	ND		mg/kg	1.3	0.12	5
Di-n-butylphthalate	ND		mg/kg	1.3	0.24	5
Fluoranthene	2.6		mg/kg	0.77	0.15	5
Pyrene	2.2		mg/kg	0.77	0.13	5
Butyl benzyl phthalate	ND		mg/kg	1.3	0.32	5
3,3'-Dichlorobenzidine	ND		mg/kg	1.3	0.34	5
Benzo(a)anthracene	0.62	J	mg/kg	0.77	0.14	5
Chrysene	0.53	J	mg/kg	0.77	0.13	5
Bis(2-ethylhexyl)phthalate	ND		mg/kg	1.3	0.44	5
Di-n-octylphthalate	ND		mg/kg	1.3	0.44	5
Benzo(b)fluoranthene	0.47	J	mg/kg	0.77	0.22	5
Benzo(k)fluoranthene	0.20	J	mg/kg	0.77	0.20	5
Benzo(a)pyrene	0.36	J	mg/kg	1.0	0.31	5
Indeno(1,2,3-cd)pyrene	0.22	J	mg/kg	1.0	0.18	5
Dibenzo(a,h)anthracene	ND		mg/kg	0.77	0.15	5

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-03 D
Client ID: SB-103 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:25
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(ghi)perylene	0.20	J	mg/kg	1.0	0.15	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	111		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	46		18-120

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-03 D
Client ID: SB-103 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:25
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 11/05/21 14:02
Analyst: WR
Percent Solids: 63%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 15:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Bis(2-chloroethyl)ether	1.2		mg/kg	0.26	0.072	5
n-Nitrosodi-n-propylamine	ND		mg/kg	0.26	0.067	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	41		18-120

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-05
Client ID: SB-105 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:45
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 11/05/21 12:56
Analyst: WR
Percent Solids: 55%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 15:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Bis(2-chloroethyl)ether	ND		mg/kg	0.060	0.017	1
n-Nitrosodi-n-propylamine	ND		mg/kg	0.060	0.016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	31		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	29		18-120

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-05 D
Client ID: SB-105 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:45
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 11:46
Analyst: WR
Percent Solids: 55%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 15:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		mg/kg	2.0	0.40	5
Phenol	ND		mg/kg	1.5	0.23	5
2-Chlorophenol	ND		mg/kg	1.5	0.18	5
2-Methylphenol	ND		mg/kg	1.5	0.23	5
Bis(2-chloroisopropyl)ether	ND		mg/kg	1.8	0.26	5
Acetophenone	ND		mg/kg	1.5	0.18	5
1,4-Dioxane	ND		mg/kg	0.22	0.068	5
3-Methylphenol/4-Methylphenol	ND		mg/kg	2.2	0.23	5
Hexachloroethane	ND		mg/kg	1.2	0.24	5
Nitrobenzene	ND		mg/kg	1.3	0.22	5
Isophorone	ND		mg/kg	1.3	0.19	5
2-Nitrophenol	ND		mg/kg	3.2	0.56	5
2,4-Dimethylphenol	ND		mg/kg	1.5	0.49	5
Bis(2-chloroethoxy)methane	ND		mg/kg	1.6	0.15	5
2,4-Dichlorophenol	ND		mg/kg	1.3	0.24	5
Naphthalene	7.5		mg/kg	1.5	0.18	5
4-Chloroaniline	ND		mg/kg	1.5	0.27	5
Hexachlorobutadiene	ND		mg/kg	1.5	0.22	5
Caprolactam	ND		mg/kg	1.5	0.46	5
p-Chloro-m-cresol	ND		mg/kg	1.5	0.22	5
2-Methylnaphthalene	19.		mg/kg	1.8	0.18	5
Hexachlorocyclopentadiene	ND		mg/kg	4.3	1.4	5
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	1.5	0.16	5
2,4,6-Trichlorophenol	ND		mg/kg	0.90	0.28	5
2,4,5-Trichlorophenol	ND		mg/kg	1.5	0.29	5
Biphenyl	0.82	J	mg/kg	3.4	0.35	5
2-Chloronaphthalene	ND		mg/kg	1.5	0.15	5
2-Nitroaniline	ND		mg/kg	1.5	0.29	5

Project Name: ALLIANCE-S. 51ST ST.**Lab Number:** L2158500**Project Number:** 30108678**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2158500-05 D

Date Collected: 10/25/21 14:45

Client ID: SB-105 (4.5-5)

Date Received: 10/26/21

Sample Location: PHILADELPHIA, PA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		mg/kg	1.5	0.31	5
2,6-Dinitrotoluene	ND		mg/kg	1.5	0.26	5
Acenaphthylene	ND		mg/kg	1.2	0.23	5
3-Nitroaniline	ND		mg/kg	1.5	0.28	5
Acenaphthene	3.1		mg/kg	1.2	0.16	5
2,4-Dinitrophenol	ND		mg/kg	7.2	0.70	5
4-Nitrophenol	ND		mg/kg	2.1	0.61	5
2,4-Dinitrotoluene	ND		mg/kg	1.5	0.30	5
Dibenzofuran	1.4	J	mg/kg	1.5	0.14	5
2,3,4,6-Tetrachlorophenol	ND		mg/kg	1.5	0.30	5
Diethyl phthalate	ND		mg/kg	1.5	0.14	5
Fluorene	1.6		mg/kg	1.5	0.14	5
4-Chlorophenyl phenyl ether	ND		mg/kg	1.5	0.16	5
4-Nitroaniline	ND		mg/kg	1.5	0.62	5
4,6-Dinitro-o-cresol	ND		mg/kg	3.9	0.72	5
NDPA/DPA	ND		mg/kg	1.2	0.17	5
4-Bromophenyl phenyl ether	ND		mg/kg	1.5	0.23	5
Hexachlorobenzene	ND		mg/kg	0.90	0.17	5
Pentachlorophenol	ND		mg/kg	1.2	0.33	5
Atrazine	ND		mg/kg	1.2	0.52	5
Phenanthrene	3.1		mg/kg	0.90	0.18	5
Anthracene	0.52	J	mg/kg	0.90	0.29	5
Carbazole	ND		mg/kg	1.5	0.14	5
Di-n-butylphthalate	ND		mg/kg	1.5	0.28	5
Fluoranthene	0.71	J	mg/kg	0.90	0.17	5
Pyrene	0.58	J	mg/kg	0.90	0.15	5
Butyl benzyl phthalate	ND		mg/kg	1.5	0.38	5
3,3'-Dichlorobenzidine	ND		mg/kg	1.5	0.40	5
Benzo(a)anthracene	0.18	J	mg/kg	0.90	0.17	5
Chrysene	ND		mg/kg	0.90	0.16	5
Bis(2-ethylhexyl)phthalate	ND		mg/kg	1.5	0.52	5
Di-n-octylphthalate	ND		mg/kg	1.5	0.51	5
Benzo(b)fluoranthene	ND		mg/kg	0.90	0.25	5
Benzo(k)fluoranthene	ND		mg/kg	0.90	0.24	5
Benzo(a)pyrene	ND		mg/kg	1.2	0.36	5
Indeno(1,2,3-cd)pyrene	ND		mg/kg	1.2	0.21	5
Dibenzo(a,h)anthracene	ND		mg/kg	0.90	0.17	5

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-05 D
Client ID: SB-105 (4.5-5)
Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:45
Date Received: 10/26/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(ghi)perylene	ND		mg/kg	1.2	0.18	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	43		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	36		18-120

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/21 22:35
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 11/04/21 15:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG1567282-1					
Benzaldehyde	ND		mg/kg	0.21	0.044
Phenol	ND		mg/kg	0.16	0.024
2-Chlorophenol	ND		mg/kg	0.16	0.019
2-Methylphenol	ND		mg/kg	0.16	0.025
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.19	0.028
Acetophenone	ND		mg/kg	0.16	0.020
1,4-Dioxane	ND		mg/kg	0.024	0.0074
3-Methylphenol/4-Methylphenol	ND		mg/kg	0.23	0.025
Hexachloroethane	ND		mg/kg	0.13	0.026
Nitrobenzene	ND		mg/kg	0.14	0.024
Isophorone	ND		mg/kg	0.14	0.021
2-Nitrophenol	ND		mg/kg	0.35	0.061
2,4-Dimethylphenol	ND		mg/kg	0.16	0.053
Bis(2-chloroethoxy)methane	ND		mg/kg	0.17	0.016
2,4-Dichlorophenol	ND		mg/kg	0.14	0.026
Naphthalene	ND		mg/kg	0.16	0.020
4-Chloroaniline	ND		mg/kg	0.16	0.029
Hexachlorobutadiene	ND		mg/kg	0.16	0.024
Caprolactam	ND		mg/kg	0.16	0.049
p-Chloro-m-cresol	ND		mg/kg	0.16	0.024
2-Methylnaphthalene	ND		mg/kg	0.19	0.020
Hexachlorocyclopentadiene	ND		mg/kg	0.46	0.15
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.16	0.017
2,4,6-Trichlorophenol	ND		mg/kg	0.097	0.031
2,4,5-Trichlorophenol	ND		mg/kg	0.16	0.031
Biphenyl	ND		mg/kg	0.37	0.038
2-Chloronaphthalene	ND		mg/kg	0.16	0.016
2-Nitroaniline	ND		mg/kg	0.16	0.031
Dimethyl phthalate	ND		mg/kg	0.16	0.034

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/04/21 22:35
 Analyst: CMM

Extraction Method: EPA 3546
 Extraction Date: 11/04/21 15:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG1567282-1					
2,6-Dinitrotoluene	ND		mg/kg	0.16	0.028
Acenaphthylene	ND		mg/kg	0.13	0.025
3-Nitroaniline	ND		mg/kg	0.16	0.030
Acenaphthene	ND		mg/kg	0.13	0.017
2,4-Dinitrophenol	ND		mg/kg	0.78	0.076
4-Nitrophenol	ND		mg/kg	0.23	0.066
2,4-Dinitrotoluene	ND		mg/kg	0.16	0.032
Dibenzofuran	ND		mg/kg	0.16	0.015
2,3,4,6-Tetrachlorophenol	ND		mg/kg	0.16	0.033
Diethyl phthalate	ND		mg/kg	0.16	0.015
Fluorene	ND		mg/kg	0.16	0.016
4-Chlorophenyl phenyl ether	ND		mg/kg	0.16	0.017
4-Nitroaniline	ND		mg/kg	0.16	0.067
4,6-Dinitro-o-cresol	ND		mg/kg	0.42	0.078
NDPA/DPA	ND		mg/kg	0.13	0.018
4-Bromophenyl phenyl ether	ND		mg/kg	0.16	0.025
Hexachlorobenzene	ND		mg/kg	0.097	0.018
Pentachlorophenol	ND		mg/kg	0.13	0.036
Atrazine	ND		mg/kg	0.13	0.057
Phenanthrene	ND		mg/kg	0.097	0.020
Anthracene	ND		mg/kg	0.097	0.032
Carbazole	ND		mg/kg	0.16	0.016
Di-n-butylphthalate	ND		mg/kg	0.16	0.031
Fluoranthene	ND		mg/kg	0.097	0.019
Pyrene	ND		mg/kg	0.097	0.016
Butyl benzyl phthalate	ND		mg/kg	0.16	0.041
3,3'-Dichlorobenzidine	ND		mg/kg	0.16	0.043
Benzo(a)anthracene	ND		mg/kg	0.097	0.018
Chrysene	ND		mg/kg	0.097	0.017

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/21 22:35
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 11/04/21 15:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,05 Batch: WG1567282-1					
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.16	0.056
Di-n-octylphthalate	ND		mg/kg	0.16	0.055
Benzo(b)fluoranthene	ND		mg/kg	0.097	0.027
Benzo(k)fluoranthene	ND		mg/kg	0.097	0.026
Benzo(a)pyrene	ND		mg/kg	0.13	0.040
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.13	0.022
Dibenzo(a,h)anthracene	ND		mg/kg	0.097	0.019
Benzo(ghi)perylene	ND		mg/kg	0.13	0.019

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	60		18-120

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/05/21 11:50
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 11/04/21 15:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03,05 Batch: WG1567286-1					
Bis(2-chloroethyl)ether	ND		mg/kg	0.032	0.0090
n-Nitrosodi-n-propylamine	ND		mg/kg	0.032	0.0085

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	52		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST ST.

Lab Number: L2158500

Project Number: 30108678

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG1567282-2 WG1567282-3								
Benzaldehyde	64		53		40-140	19		50
Phenol	62		52		26-90	18		50
2-Chlorophenol	68		56		25-102	19		50
2-Methylphenol	67		57		30-130	16		50
Bis(2-chloroisopropyl)ether	61		50		40-140	20		50
Acetophenone	68		58		14-144	16		50
1,4-Dioxane	51		44		30-130	15		50
3-Methylphenol/4-Methylphenol	68		59		30-130	14		50
Hexachloroethane	66		54		40-140	20		50
Nitrobenzene	66		55		40-140	18		50
Isophorone	65		55		40-140	17		50
2-Nitrophenol	68		58		30-130	16		50
2,4-Dimethylphenol	70		58		30-130	19		50
Bis(2-chloroethoxy)methane	64		54		40-117	17		50
2,4-Dichlorophenol	71		59		30-130	18		50
Naphthalene	58		54		40-140	7		50
4-Chloroaniline	59		52		40-140	13		50
Hexachlorobutadiene	62		58		40-140	7		50
Caprolactam	64		59		15-130	8		50
p-Chloro-m-cresol	66		60		26-103	10		50
2-Methylnaphthalene	61		57		40-140	7		50
Hexachlorocyclopentadiene	63		59		40-140	7		50
1,2,4,5-Tetrachlorobenzene	63		57		40-117	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST ST.

Project Number: 30108678

Lab Number: L2158500

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG1567282-2 WG1567282-3								
2,4,6-Trichlorophenol	64		60		30-130	6		50
2,4,5-Trichlorophenol	67		59		30-130	13		50
Biphenyl	62		58		37-127	7		50
2-Chloronaphthalene	61		57		40-140	7		50
2-Nitroaniline	64		58		47-134	10		50
Dimethyl phthalate	62		57		40-140	8		50
2,6-Dinitrotoluene	64		59		40-140	8		50
Acenaphthylene	62		57		40-140	8		50
3-Nitroaniline	50		49		26-129	2		50
Acenaphthene	58		54		31-137	7		50
2,4-Dinitrophenol	48		42		4-130	13		50
4-Nitrophenol	64		59		11-114	8		50
2,4-Dinitrotoluene	62		58		40-132	7		50
Dibenzofuran	58		54		40-140	7		50
2,3,4,6-Tetrachlorophenol	64		59		58-132	8		50
Diethyl phthalate	59		56		40-140	5		50
Fluorene	58		54		40-140	7		50
4-Chlorophenyl phenyl ether	58		55		40-140	5		50
4-Nitroaniline	58		55		41-125	5		50
4,6-Dinitro-o-cresol	59		56		10-130	5		50
NDPA/DPA	59		56		36-157	5		50
4-Bromophenyl phenyl ether	60		56		40-140	7		50
Hexachlorobenzene	60		56		40-140	7		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE-S. 51ST ST.

Lab Number: L2158500

Project Number: 30108678

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG1567282-2 WG1567282-3								
Pentachlorophenol	64		59		17-109	8		50
Atrazine	66		63		40-140	5		50
Phenanthrene	57		55		40-140	4		50
Anthracene	59		56		40-140	5		50
Carbazole	60		56		54-128	7		50
Di-n-butylphthalate	59		56		40-140	5		50
Fluoranthene	60		57		40-140	5		50
Pyrene	61		57		35-142	7		50
Butyl benzyl phthalate	62		59		40-140	5		50
3,3'-Dichlorobenzidine	44		41		40-140	7		50
Benzo(a)anthracene	58		55		40-140	5		50
Chrysene	59		56		40-140	5		50
Bis(2-ethylhexyl)phthalate	58		55		40-140	5		50
Di-n-octylphthalate	60		57		40-140	5		50
Benzo(b)fluoranthene	62		60		40-140	3		50
Benzo(k)fluoranthene	61		58		40-140	5		50
Benzo(a)pyrene	63		59		40-140	7		50
Indeno(1,2,3-cd)pyrene	60		58		40-140	3		50
Dibenzo(a,h)anthracene	59		57		40-140	3		50
Benzo(ghi)perylene	59		57		40-140	3		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ALLIANCE-S. 51ST ST.**Lab Number:** L2158500**Project Number:** 30108678**Report Date:** 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,05 Batch: WG1567282-2 WG1567282-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		58		25-120
Phenol-d6	72		61		10-120
Nitrobenzene-d5	66		56		23-120
2-Fluorobiphenyl	60		56		30-120
2,4,6-Tribromophenol	67		60		10-136
4-Terphenyl-d14	62		57		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST ST.

Lab Number: L2158500

Project Number: 30108678

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03,05 Batch: WG1567286-2 WG1567286-3								
Bis(2-chloroethyl)ether	59		52		40-140	13		50
n-Nitrosodi-n-propylamine	62		55		40-140	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		50		25-120
Phenol-d6	57		50		10-120
Nitrobenzene-d5	59		51		23-120
2-Fluorobiphenyl	56		50		30-120
2,4,6-Tribromophenol	106		94		10-136
4-Terphenyl-d14	49		43		18-120

INORGANICS & MISCELLANEOUS

Project Name: ALLIANCE-S. 51ST ST.**Project Number:** 30108678**Lab Number:** L2158500**Report Date:** 11/11/21**SAMPLE RESULTS****Lab ID:** L2158500-01**Client ID:** SB-101 (1.5-2)**Sample Location:** PHILADELPHIA, PA**Date Collected:** 10/25/21 14:15**Date Received:** 10/26/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.1		%	0.100	NA	1	-	10/27/21 09:43	121,2540G	RI



Project Name: ALLIANCE-S. 51ST ST.

Project Number: 30108678

Lab Number: L2158500

Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-02

Client ID: SB-102 (2.5-3)

Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:20

Date Received: 10/26/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	10/27/21 09:43	121,2540G	RI



Project Name: ALLIANCE-S. 51ST ST.

Project Number: 30108678

Lab Number: L2158500

Report Date: 11/11/21

SAMPLE RESULTS

Lab ID: L2158500-03

Client ID: SB-103 (4.5-5)

Sample Location: PHILADELPHIA, PA

Date Collected: 10/25/21 14:25

Date Received: 10/26/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	63.1		%	0.100	NA	1	-	10/27/21 09:43	121,2540G	RI



Project Name: ALLIANCE-S. 51ST ST.**Project Number:** 30108678**Lab Number:** L2158500**Report Date:** 11/11/21**SAMPLE RESULTS****Lab ID:** L2158500-04**Client ID:** SB-104 (4.5-5)**Sample Location:** PHILADELPHIA, PA**Date Collected:** 10/25/21 14:35**Date Received:** 10/26/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	53.3		%	0.100	NA	1	-	10/27/21 09:43	121,2540G	RI



Project Name: ALLIANCE-S. 51ST ST.**Project Number:** 30108678**Lab Number:** L2158500**Report Date:** 11/11/21**SAMPLE RESULTS****Lab ID:** L2158500-05**Client ID:** SB-105 (4.5-5)**Sample Location:** PHILADELPHIA, PA**Date Collected:** 10/25/21 14:45**Date Received:** 10/26/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	55.0		%	0.100	NA	1	-	10/27/21 09:43	121,2540G	RI



Project Name: ALLIANCE-S. 51ST ST.**Project Number:** 30108678**Lab Number:** L2158500**Report Date:** 11/11/21**SAMPLE RESULTS****Lab ID:** L2158500-06**Client ID:** SB-106 (4.5-5)**Sample Location:** PHILADELPHIA, PA**Date Collected:** 10/25/21 14:55**Date Received:** 10/26/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.8		%	0.100	NA	1	-	10/27/21 09:43	121,2540G	RI



Project Name: ALLIANCE-S. 51ST ST.**Project Number:** 30108678**Lab Number:** L2158500**Report Date:** 11/11/21**SAMPLE RESULTS****Lab ID:** L2158500-07**Client ID:** SB-107 (4.5-5)**Sample Location:** PHILADELPHIA, PA**Date Collected:** 10/25/21 15:00**Date Received:** 10/26/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.5		%	0.100	NA	1	-	10/27/21 09:43	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: ALLIANCE-S. 51ST ST.

Project Number: 30108678

Lab Number: L2158500

Report Date: 11/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1563706-1 QC Sample: L2158500-01 Client ID: SB-101 (1.5-2)						
Solids, Total	70.1	68.4	%	2		20

Project Name: ALLIANCE-S. 51ST ST.**Lab Number:** L2158500**Project Number:** 30108678**Report Date:** 11/11/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
C	Absent
D	Absent
E	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158500-01A	5 gram Encore Sampler	C	NA		3.8	Y	Absent		PA-8260HLW(14)
L2158500-01B	5 gram Encore Sampler	C	NA		3.8	Y	Absent		PA-8260HLW(14)
L2158500-01C	5 gram Encore Sampler	C	NA		3.8	Y	Absent		PA-8260HLW(14)
L2158500-01D	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM(),TS(7)
L2158500-01X	Vial MeOH preserved split	C	NA		3.8	Y	Absent		PA-8260HLW(14)
L2158500-01Y	Vial Water preserved split	C	NA		3.8	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-01Z	Vial Water preserved split	C	NA		3.8	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-02A	5 gram Encore Sampler	C	NA		3.8	Y	Absent		PA-8260HLW(14)
L2158500-02B	5 gram Encore Sampler	C	NA		3.8	Y	Absent		PA-8260HLW(14)
L2158500-02C	5 gram Encore Sampler	C	NA		3.8	Y	Absent		PA-8260HLW(14)
L2158500-02D	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM(),TS(7)
L2158500-02X	Vial MeOH preserved split	C	NA		3.8	Y	Absent		PA-8260HLW(14)
L2158500-02Y	Vial Water preserved split	C	NA		3.8	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-02Z	Vial Water preserved split	C	NA		3.8	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-03A	5 gram Encore Sampler	E	NA		3.2	Y	Absent		PA-8260HLW(14)
L2158500-03B	5 gram Encore Sampler	E	NA		3.2	Y	Absent		PA-8260HLW(14)
L2158500-03C	5 gram Encore Sampler	E	NA		3.2	Y	Absent		PA-8260HLW(14)
L2158500-03D	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		TS(7)

Project Name: ALLIANCE-S. 51ST ST.**Lab Number:** L2158500**Project Number:** 30108678**Report Date:** 11/11/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158500-03E	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM(),PA-8270SIM(14),PA-8270(14)
L2158500-03X	Vial MeOH preserved split	E	NA		3.2	Y	Absent		PA-8260HLW(14)
L2158500-03Y	Vial Water preserved split	E	NA		3.2	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-03Z	Vial Water preserved split	E	NA		3.2	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-04A	5 gram Encore Sampler	D	NA		5.6	Y	Absent		PA-8260HLW(14)
L2158500-04B	5 gram Encore Sampler	D	NA		5.6	Y	Absent		PA-8260HLW(14)
L2158500-04C	5 gram Encore Sampler	D	NA		5.6	Y	Absent		PA-8260HLW(14)
L2158500-04D	Plastic 2oz unpreserved for TS	D	NA		5.6	Y	Absent		TS(7)
L2158500-04E	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L2158500-04X	Vial MeOH preserved split	D	NA		5.6	Y	Absent		PA-8260HLW(14)
L2158500-04Y	Vial Water preserved split	D	NA		5.6	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-04Z	Vial Water preserved split	D	NA		5.6	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-05A	5 gram Encore Sampler	G	NA		3.1	Y	Absent		PA-8260HLW(14)
L2158500-05B	5 gram Encore Sampler	G	NA		3.1	Y	Absent		PA-8260HLW(14)
L2158500-05C	5 gram Encore Sampler	G	NA		3.1	Y	Absent		PA-8260HLW(14)
L2158500-05D	Plastic 2oz unpreserved for TS	G	NA		3.1	Y	Absent		TS(7)
L2158500-05E	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM(),PA-8270SIM(14),PA-8270(14)
L2158500-05X	Vial MeOH preserved split	G	NA		3.1	Y	Absent		PA-8260HLW(14)
L2158500-05Y	Vial Water preserved split	G	NA		3.1	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-05Z	Vial Water preserved split	G	NA		3.1	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-06A	5 gram Encore Sampler	D	NA		5.6	Y	Absent		PA-8260HLW(14)
L2158500-06B	5 gram Encore Sampler	D	NA		5.6	Y	Absent		PA-8260HLW(14)
L2158500-06C	5 gram Encore Sampler	D	NA		5.6	Y	Absent		PA-8260HLW(14)
L2158500-06D	Plastic 2oz unpreserved for TS	D	NA		5.6	Y	Absent		TS(7)
L2158500-06E	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L2158500-06X	Vial MeOH preserved split	D	NA		5.6	Y	Absent		PA-8260HLW(14)
L2158500-06Y	Vial Water preserved split	D	NA		5.6	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-06Z	Vial Water preserved split	D	NA		5.6	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)

Project Name: ALLIANCE-S. 51ST ST.**Lab Number:** L2158500**Project Number:** 30108678**Report Date:** 11/11/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2158500-07A	5 gram Encore Sampler	E	NA		3.2	Y	Absent		PA-8260HLW(14)
L2158500-07B	5 gram Encore Sampler	E	NA		3.2	Y	Absent		PA-8260HLW(14)
L2158500-07C	5 gram Encore Sampler	E	NA		3.2	Y	Absent		PA-8260HLW(14)
L2158500-07D	Plastic 2oz unpreserved for TS	E	NA		3.2	Y	Absent		TS(7)
L2158500-07E	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		HOLD-WETCHEM()
L2158500-07X	Vial MeOH preserved split	E	NA		3.2	Y	Absent		PA-8260HLW(14)
L2158500-07Y	Vial Water preserved split	E	NA		3.2	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)
L2158500-07Z	Vial Water preserved split	E	NA		3.2	Y	Absent	27-OCT-21 08:59	PA-8260HLW(14)

Project Name: ALLIANCE-S. 51ST ST.**Lab Number:** L2158500**Project Number:** 30108678**Report Date:** 11/11/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ALLIANCE-S. 51ST ST.
Project Number: 30108678

Lab Number: L2158500
Report Date: 11/11/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

Service Centers

Page

of i

$$10/27/2$$

L2158500

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

Email: Larry.Brunt@arcadis.com

of Days:

☐ Other

POB

Petroleum Product:

Sample Specific Comments
<p>1. The sample is a 100% pure substance, as indicated by the single sharp peak in the mass spectrum.</p> <p>2. The molecular ion peak is observed at m/z 100, which corresponds to the molecular weight of the compound.</p> <p>3. The base peak is at m/z 43, which is a common fragment for many organic compounds.</p> <p>4. The fragmentation pattern suggests a branched alkane structure.</p> <p>5. The compound is likely 2-methylpropane (isobutane), based on the mass spectral data.</p>

[illegible]

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

TERMS & CONDITIONS.
(See reverse side.)

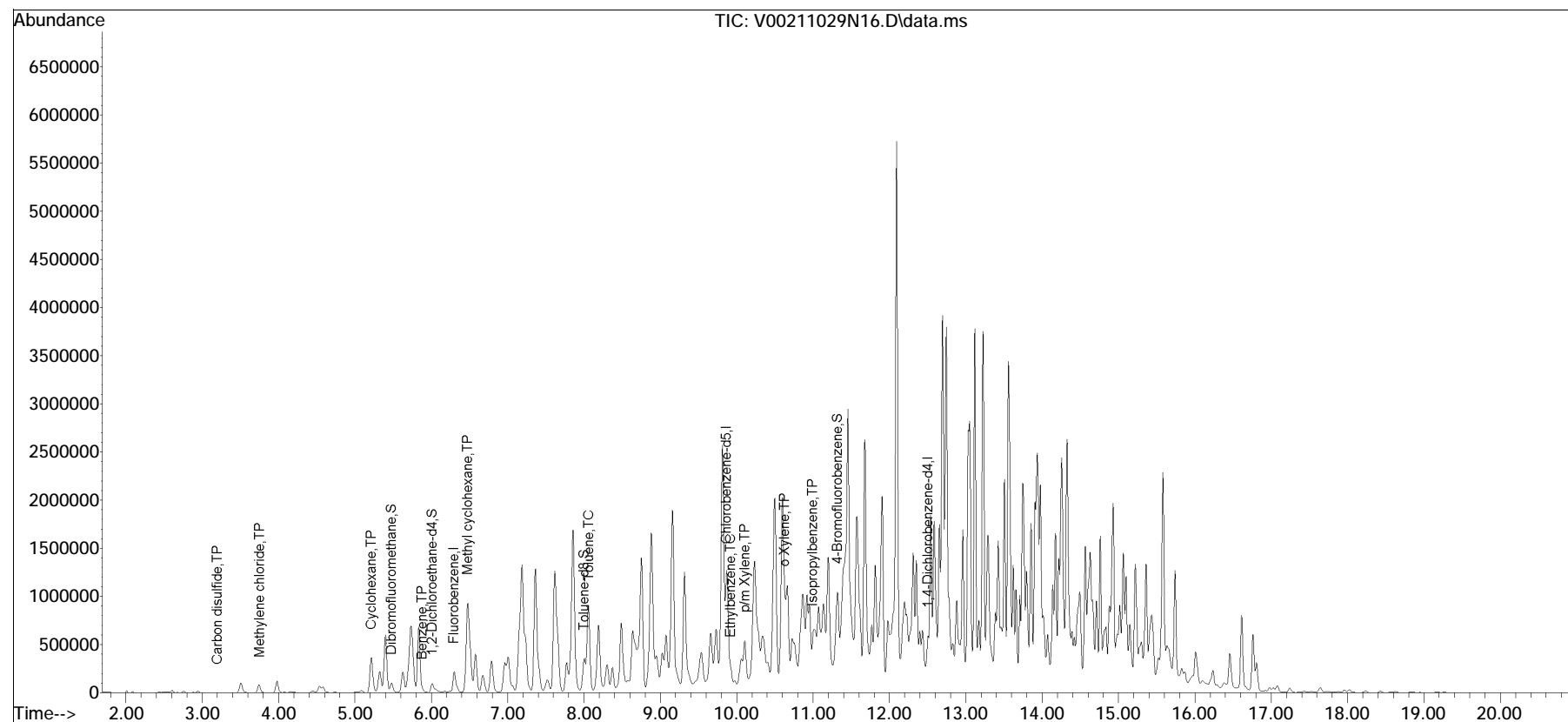
10/26/21

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA100\2021\211029N\
Data File : V00211029N16.D
Acq On : 30 Oct 2021 1:42 am
Operator : VOA100:NLK
Sample : L2158500-01,31H,3.89,5,0.100,,X
Misc : WG1565247,ICAL18132
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 11:32:05 2021
Quant Method : I:\VOLATILES\VOA100\2021\211029N\V100_210708N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jul 09 13:15:36 2021
Response via : Initial Calibration

Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist1029N01.D•

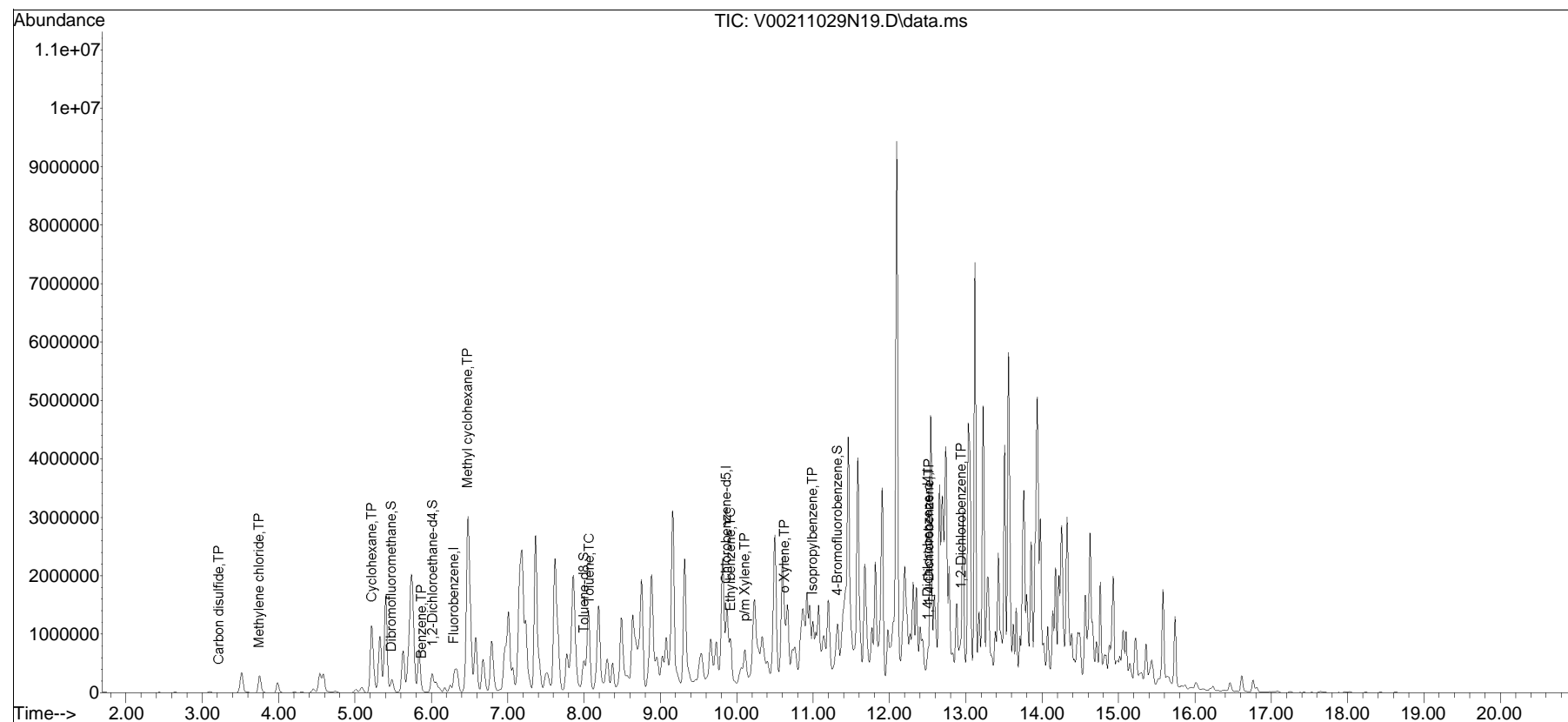


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA100\2021\211029N\
Data File : V00211029N19.D
Acq On : 30 Oct 2021 3:00 am
Operator : VOA100:NLK
Sample : L2158500-03D,31H,3.90,5,0.050,,X
Misc : WG1565247,ICAL18132
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 30 11:33:30 2021
Quant Method : I:\VOLATILES\VOA100\2021\211029N\V100_210708N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jul 09 13:15:36 2021
Response via : Initial Calibration

Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist1029N01.D•

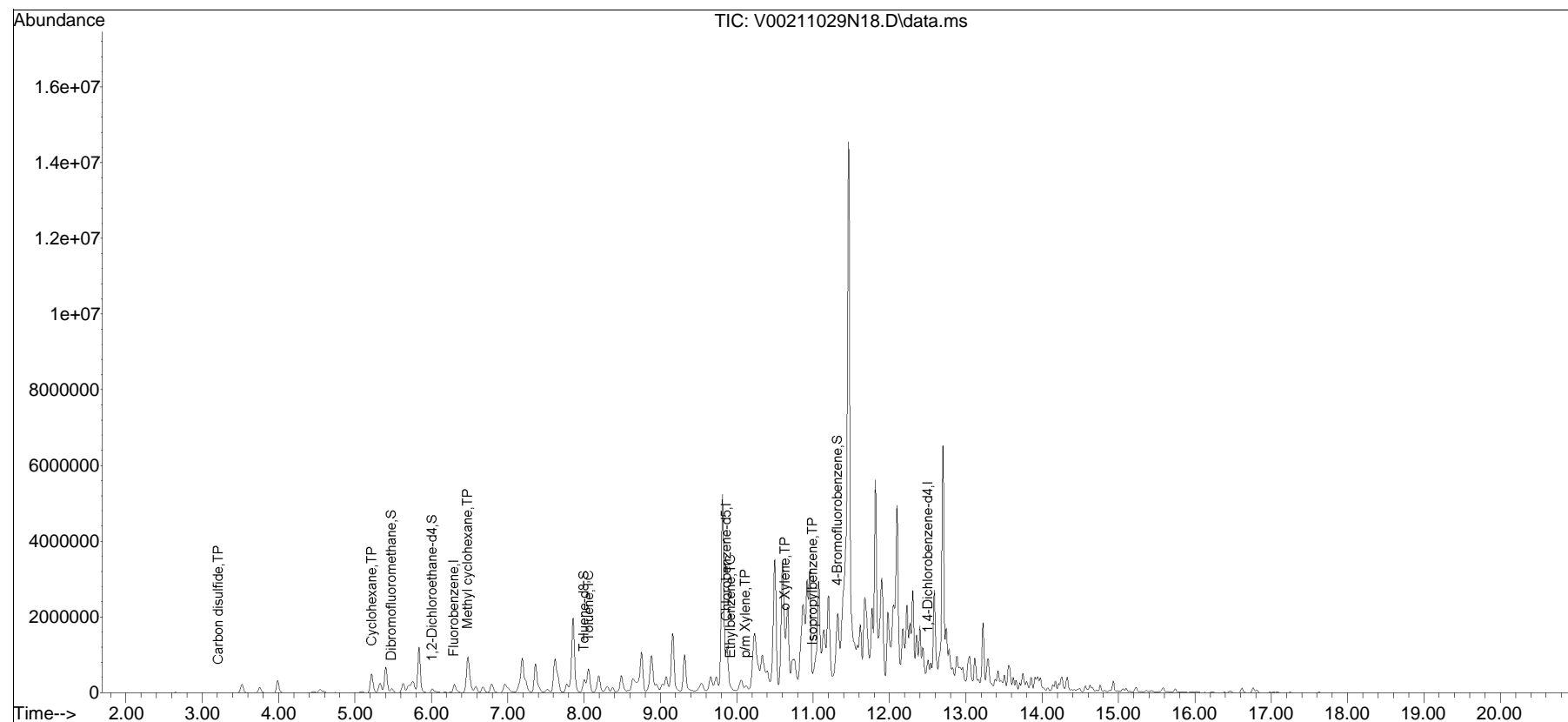


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA100\2021\211029N\
Data File : V00211029N18.D
Acq On : 30 Oct 2021 2:34 am
Operator : VOA100:NLK
Sample : L2158500-04D,31H,4.49,5,0.050,,X
Misc : WG1565247,ICAL18132
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 30 11:32:47 2021
Quant Method : I:\VOLATILES\VOA100\2021\211029N\V100_210708N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jul 09 13:15:36 2021
Response via : Initial Calibration

Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist1029N01.D•





ANALYTICAL REPORT

Lab Number:	L2213931
Client:	Arcadis U.S., Inc 1 Harvard Way Suite 5 Hillsborough, NJ 08844
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	ALLIANCE 51ST STREET
Project Number:	30108678.03C
Report Date:	04/12/22

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

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

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



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2213931-01	MW-8 (5.5-6)	SOIL	PHILA., PA	03/16/22 12:10	03/17/22
L2213931-02	SB-201 (8.5-9)	SOIL	PHILA., PA	03/16/22 14:05	03/17/22
L2213931-03	SB-202 (8.5-9)	SOIL	PHILA., PA	03/16/22 14:20	03/17/22
L2213931-04	SB-203 (8.5-9)	SOIL	PHILA., PA	03/16/22 14:30	03/17/22
L2213931-05	SB-204 (8.5-9)	SOIL	PHILA., PA	03/16/22 14:35	03/17/22
L2213931-06	SB-205 (3.5-4)	SOIL	PHILA., PA	03/16/22 14:45	03/17/22
L2213931-07	SB-206 (2.5-3)	SOIL	PHILA., PA	03/17/22 08:35	03/17/22
L2213931-08	SB-207 (4-4.5)	SOIL	PHILA., PA	03/17/22 08:50	03/17/22
L2213931-09	SB-208 (4-4.5)	SOIL	PHILA., PA	03/17/22 09:00	03/17/22
L2213931-10	SB-209 (3.5-4)	SOIL	PHILA., PA	03/17/22 09:25	03/17/22
L2213931-11	SB-210 (4-4.5)	SOIL	PHILA., PA	03/17/22 09:35	03/17/22
L2213931-12	SB-211 (3.5-4)	SOIL	PHILA., PA	03/17/22 09:40	03/17/22
L2213931-13	SB-212 (4.5-5)	SOIL	PHILA., PA	03/17/22 10:00	03/17/22
L2213931-14	SB-213 (4-4.5)	SOIL	PHILA., PA	03/17/22 10:10	03/17/22
L2213931-15	SB-214 (4-4.5)	SOIL	PHILA., PA	03/17/22 10:20	03/17/22
L2213931-16	SB-215 (4.5-5)	SOIL	PHILA., PA	03/17/22 10:30	03/17/22
L2213931-17	SB-216 (3.5-4)	SOIL	PHILA., PA	03/17/22 10:40	03/17/22
L2213931-18	SB-217 (8.5-9)	SOIL	PHILA., PA	03/17/22 11:25	03/17/22
L2213931-19	DUP-1	SOIL	PHILA., PA	03/17/22 00:00	03/17/22
L2213931-20	FIELD BLANK	WATER	PHILA., PA	03/17/22 11:35	03/17/22
L2213931-21	TRIP BLANK	WATER	PHILA., PA	03/17/22 00:00	03/17/22

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

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: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Case Narrative (continued)

Report Revision

April 12, 2022: The Volatile Organics reporting list has been amended to include Naphthalene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene. Additionally, the Client IDs have been corrected on L2213931-02 through -18.

Report Submission

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

Volatile Organics

L2213931-02D, -06D, and -18D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The surrogate recovery for the following samples is outside the acceptance criteria for 4-bromofluorobenzene; however, the samples were not re-analyzed due to coelution with an obvious interference. Copies of the chromatograms are included as an attachment to this report:

L2213931-02D: 150%

L2213931-05D: 213%

L2213931-06D: 133%

L2213931-07: 220%

L2213931-08 (Low Level): 132%

L2213931-18D: 155%

L2213931-04: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (198%) due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2213931-05D: The surrogate recovery is outside the method acceptance criteria for dibromofluoromethane (62%) due to interference with the Internal Standard.

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Case Narrative (continued)

L2213931-08: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2213931-14D, -16 (High and Low Levels), -16R, and -19 (High and Low Levels): The result for naphthalene should be considered estimated, and is qualified with an E flag. The sample was not re-analyzed on dilution.

L2213931-16 (Low Level): The internal standard (IS) response for 1,4-dichlorobenzene-d4 (29%) and the surrogate recovery for 4-bromofluorobenzene (150%) were outside the acceptance criteria; however, re-analysis achieved the following results: chlorobenzene-d5 (46%), 1,4-dichlorobenzene-d4 (25%), and 4-bromofluorobenzene (149%). The results of both analyses are reported.


L2213931-16: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

L2213931-17 (High Level): The concentration of naphthalene should be considered estimated due to suspected contamination from a previously analyzed, highly concentrated sample.

L2213931-17 and -19: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the Volatile Organics by EPA Method 5035/8260 High and Low Level analyses which have been attributed to sample non-homogeneity.

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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 04/12/22

ORGANICS

VOLATILES

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-01
Client ID: MW-8 (5.5-6)
Sample Location: PHILA., PA

Date Collected: 03/16/22 12:10
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 09:19
Analyst: KJD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	0.0010	1
Chloromethane	ND		mg/kg	0.0045	0.0010	1
Vinyl chloride	ND		mg/kg	0.0011	0.00038	1
Bromomethane	ND		mg/kg	0.0023	0.00066	1
Chloroethane	ND		mg/kg	0.0023	0.00051	1
Trichlorofluoromethane	ND		mg/kg	0.0045	0.00079	1
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00027	1
Carbon disulfide	ND		mg/kg	0.011	0.0052	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0045	0.00079	1
Methylene chloride	ND		mg/kg	0.0057	0.0026	1
Acetone	0.021	J	mg/kg	0.028	0.011	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00016	1
Methyl Acetate	ND		mg/kg	0.0045	0.0011	1
Methyl tert butyl ether	ND		mg/kg	0.0023	0.00023	1
1,1-Dichloroethane	ND		mg/kg	0.0011	0.00016	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00020	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	0.00016	1
Cyclohexane	ND		mg/kg	0.011	0.00062	1
Bromochloromethane	ND		mg/kg	0.0023	0.00023	1
Chloroform	ND		mg/kg	0.0017	0.00016	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.00057	0.00019	1
2-Butanone	0.0031	J	mg/kg	0.011	0.0025	1
Benzene	ND		mg/kg	0.00057	0.00019	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00029	1
Methyl cyclohexane	0.00090	J	mg/kg	0.0045	0.00068	1
Trichloroethene	ND		mg/kg	0.00057	0.00016	1
1,2-Dichloropropane	ND		mg/kg	0.0011	0.00014	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-01**Date Collected:** 03/16/22 12:10**Client ID:** MW-8 (5.5-6)**Date Received:** 03/17/22**Sample Location:** PHILA., PA**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00057	0.00012	1
1,4-Dioxane	ND		mg/kg	0.091	0.040	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00057	0.00018	1
Toluene	0.00064	J	mg/kg	0.0011	0.00062	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	0.0014	1
Tetrachloroethene	ND		mg/kg	0.00057	0.00022	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00031	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00057	0.00018	1
1,1,2-Trichloroethane	ND		mg/kg	0.0011	0.00030	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00016	1
1,2-Dibromoethane	ND		mg/kg	0.00057	0.00033	1
2-Hexanone	ND		mg/kg	0.011	0.0013	1
Chlorobenzene	ND		mg/kg	0.00057	0.00014	1
Ethylbenzene	ND		mg/kg	0.0011	0.00016	1
p/m-Xylene	ND		mg/kg	0.0023	0.00064	1
o-Xylene	ND		mg/kg	0.0011	0.00033	1
Xylenes, Total	ND		mg/kg	0.0011	0.00033	1
Styrene	0.00027	J	mg/kg	0.0011	0.00022	1
Bromoform	ND		mg/kg	0.0045	0.00028	1
Isopropylbenzene	0.00028	J	mg/kg	0.0011	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00057	0.00019	1
1,3,5-Trimethylbenzene	0.00037	J	mg/kg	0.0023	0.00022	1
1,2,4-Trimethylbenzene	0.0011	J	mg/kg	0.0023	0.00038	1
1,3-Dichlorobenzene	ND		mg/kg	0.0023	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0023	0.00019	1
1,2-Dichlorobenzene	ND		mg/kg	0.0023	0.00016	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0034	0.0011	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0023	0.00031	1
Naphthalene	0.0018	J	mg/kg	0.0045	0.00074	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0023	0.00037	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-01
Client ID: MW-8 (5.5-6)
Sample Location: PHILA., PA

Date Collected: 03/16/22 12:10
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.0885	J	mg/kg	1
Unknown Aromatic	0.0102	J	mg/kg	1
Unknown	0.00638	J	mg/kg	1
Unknown Alkane	0.00924	J	mg/kg	1
Unknown Naphthalene	0.00985	J	mg/kg	1
Unknown Benzene	0.00636	J	mg/kg	1
Unknown	0.00620	J	mg/kg	1
Unknown Aromatic	0.00907	J	mg/kg	1
Unknown Aromatic	0.0117	J	mg/kg	1
Unknown	0.00926	J	mg/kg	1
Unknown Naphthalene	0.0102	J	mg/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-02 **D**
Client ID: SB-201 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:05
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 09:42
Analyst: KJD
Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	5.1	0.47	5
Chloromethane	ND		mg/kg	2.0	0.48	5
Vinyl chloride	ND		mg/kg	0.51	0.17	5
Bromomethane	ND		mg/kg	1.0	0.30	5
Chloroethane	ND		mg/kg	1.0	0.23	5
Trichlorofluoromethane	ND		mg/kg	2.0	0.36	5
1,1-Dichloroethene	ND		mg/kg	0.51	0.12	5
Carbon disulfide	ND		mg/kg	5.1	2.3	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	2.0	0.36	5
Methylene chloride	ND		mg/kg	2.6	1.2	5
Acetone	ND		mg/kg	5.1	2.5	5
trans-1,2-Dichloroethene	ND		mg/kg	0.77	0.070	5
Methyl Acetate	1.8	J	mg/kg	2.0	0.49	5
Methyl tert butyl ether	ND		mg/kg	1.0	0.10	5
1,1-Dichloroethane	ND		mg/kg	0.51	0.074	5
cis-1,2-Dichloroethene	ND		mg/kg	0.51	0.090	5
1,2-Dichloroethene, Total	ND		mg/kg	0.51	0.070	5
Cyclohexane	0.30	J	mg/kg	5.1	0.28	5
Bromochloromethane	ND		mg/kg	1.0	0.10	5
Chloroform	ND		mg/kg	0.77	0.072	5
Carbon tetrachloride	ND		mg/kg	0.51	0.12	5
1,1,1-Trichloroethane	ND		mg/kg	0.26	0.086	5
2-Butanone	ND		mg/kg	5.1	1.1	5
Benzene	ND		mg/kg	0.26	0.085	5
1,2-Dichloroethane	ND		mg/kg	0.51	0.13	5
Methyl cyclohexane	4.1		mg/kg	2.0	0.31	5
Trichloroethene	ND		mg/kg	0.26	0.070	5
1,2-Dichloropropane	ND		mg/kg	0.51	0.064	5

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-02 D

Date Collected: 03/16/22 14:05

Client ID: SB-201 (8.5-9)

Date Received: 03/17/22

Sample Location: PHILA., PA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.26	0.056	5
1,4-Dioxane	ND		mg/kg	41	18.	5
cis-1,3-Dichloropropene	ND		mg/kg	0.26	0.081	5
Toluene	ND		mg/kg	0.51	0.28	5
4-Methyl-2-pentanone	ND		mg/kg	5.1	0.66	5
Tetrachloroethene	ND		mg/kg	0.26	0.10	5
trans-1,3-Dichloropropene	ND		mg/kg	0.51	0.14	5
1,3-Dichloropropene, Total	ND		mg/kg	0.26	0.081	5
1,1,2-Trichloroethane	ND		mg/kg	0.51	0.14	5
Dibromochloromethane	ND		mg/kg	0.51	0.072	5
1,2-Dibromoethane	ND		mg/kg	0.26	0.15	5
2-Hexanone	ND		mg/kg	5.1	0.61	5
Chlorobenzene	ND		mg/kg	0.26	0.065	5
Ethylbenzene	ND		mg/kg	0.51	0.072	5
p/m-Xylene	ND		mg/kg	1.0	0.29	5
o-Xylene	ND		mg/kg	0.51	0.15	5
Xylenes, Total	ND		mg/kg	0.51	0.15	5
Styrene	ND		mg/kg	0.51	0.10	5
Bromoform	ND		mg/kg	2.0	0.13	5
Isopropylbenzene	1.4		mg/kg	0.51	0.056	5
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.26	0.085	5
1,3,5-Trimethylbenzene	0.12	J	mg/kg	1.0	0.099	5
1,2,4-Trimethylbenzene	0.27	J	mg/kg	1.0	0.17	5
1,3-Dichlorobenzene	ND		mg/kg	1.0	0.076	5
1,4-Dichlorobenzene	ND		mg/kg	1.0	0.088	5
1,2-Dichlorobenzene	ND		mg/kg	1.0	0.074	5
1,2-Dibromo-3-chloropropane	ND		mg/kg	1.5	0.51	5
1,2,4-Trichlorobenzene	ND		mg/kg	1.0	0.14	5
Naphthalene	0.41	J	mg/kg	2.0	0.33	5
1,2,3-Trichlorobenzene	ND		mg/kg	1.0	0.16	5

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-02 **D**
Client ID: SB-201 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:05
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	336.	J	mg/kg			5
Unknown Aromatic	32.6	J	mg/kg			5
Unknown	33.6	J	mg/kg			5
Unknown	34.5	J	mg/kg			5
Unknown Aromatic	39.1	J	mg/kg			5
Unknown Benzene	26.0	J	mg/kg			5
Unknown	37.4	J	mg/kg			5
Unknown	39.3	J	mg/kg			5
Unknown	25.6	J	mg/kg			5
Unknown	40.0	J	mg/kg			5
Unknown Cyclohexane	27.9	J	mg/kg			5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	150	Q	70-130
Dibromofluoromethane	100		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-03 **D2**
Client ID: SB-202 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:20
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/22 16:53
Analyst: KJD
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	8.1	0.74	10
Chloromethane	ND		mg/kg	3.2	0.75	10
Vinyl chloride	ND		mg/kg	0.81	0.27	10
Bromomethane	ND		mg/kg	1.6	0.47	10
Chloroethane	ND		mg/kg	1.6	0.36	10
Trichlorofluoromethane	ND		mg/kg	3.2	0.56	10
1,1-Dichloroethene	ND		mg/kg	0.81	0.19	10
Carbon disulfide	ND		mg/kg	8.1	3.7	10
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	3.2	0.56	10
Methylene chloride	ND		mg/kg	4.0	1.8	10
Acetone	ND		mg/kg	8.1	3.9	10
trans-1,2-Dichloroethene	ND		mg/kg	1.2	0.11	10
Methyl Acetate	ND		mg/kg	3.2	0.77	10
Methyl tert butyl ether	ND		mg/kg	1.6	0.16	10
1,1-Dichloroethane	ND		mg/kg	0.81	0.12	10
cis-1,2-Dichloroethene	ND		mg/kg	0.81	0.14	10
1,2-Dichloroethene, Total	ND		mg/kg	0.81	0.11	10
Cyclohexane	41.		mg/kg	8.1	0.44	10
Bromochloromethane	ND		mg/kg	1.6	0.16	10
Chloroform	ND		mg/kg	1.2	0.11	10
Carbon tetrachloride	ND		mg/kg	0.81	0.18	10
1,1,1-Trichloroethane	ND		mg/kg	0.40	0.13	10
2-Butanone	ND		mg/kg	8.1	1.8	10
Benzene	2.6		mg/kg	0.40	0.13	10
1,2-Dichloroethane	ND		mg/kg	0.81	0.21	10
Methyl cyclohexane	260	E	mg/kg	3.2	0.49	10
Trichloroethene	ND		mg/kg	0.40	0.11	10
1,2-Dichloropropane	ND		mg/kg	0.81	0.10	10

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-03 D2

Date Collected: 03/16/22 14:20

Client ID: SB-202 (8.5-9)

Date Received: 03/17/22

Sample Location: PHILA., PA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.40	0.088	10
1,4-Dioxane	ND		mg/kg	65	28.	10
cis-1,3-Dichloropropene	ND		mg/kg	0.40	0.13	10
Toluene	1.9		mg/kg	0.81	0.44	10
4-Methyl-2-pentanone	ND		mg/kg	8.1	1.0	10
Tetrachloroethene	ND		mg/kg	0.40	0.16	10
trans-1,3-Dichloropropene	ND		mg/kg	0.81	0.22	10
1,3-Dichloropropene, Total	ND		mg/kg	0.40	0.13	10
1,1,2-Trichloroethane	ND		mg/kg	0.81	0.22	10
Dibromochloromethane	ND		mg/kg	0.81	0.11	10
1,2-Dibromoethane	ND		mg/kg	0.40	0.24	10
2-Hexanone	ND		mg/kg	8.1	0.95	10
Chlorobenzene	ND		mg/kg	0.40	0.10	10
Ethylbenzene	4.7		mg/kg	0.81	0.11	10
p/m-Xylene	5.8		mg/kg	1.6	0.45	10
o-Xylene	1.1		mg/kg	0.81	0.24	10
Xylenes, Total	6.9		mg/kg	0.81	0.24	10
Styrene	ND		mg/kg	0.81	0.16	10
Bromoform	ND		mg/kg	3.2	0.20	10
Isopropylbenzene	38.		mg/kg	0.81	0.088	10
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.40	0.13	10
1,3,5-Trimethylbenzene	0.64	J	mg/kg	1.6	0.16	10
1,2,4-Trimethylbenzene	1.9		mg/kg	1.6	0.27	10
1,3-Dichlorobenzene	ND		mg/kg	1.6	0.12	10
1,4-Dichlorobenzene	ND		mg/kg	1.6	0.14	10
1,2-Dichlorobenzene	ND		mg/kg	1.6	0.12	10
1,2-Dibromo-3-chloropropane	ND		mg/kg	2.4	0.81	10
1,2,4-Trichlorobenzene	ND		mg/kg	1.6	0.22	10
Naphthalene	1.8	J	mg/kg	3.2	0.52	10
1,2,3-Trichlorobenzene	ND		mg/kg	1.6	0.26	10

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-03 D2
Client ID: SB-202 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:20
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	1050	J	mg/kg	10
Benzene, Propyl-	91.9	NJ	mg/kg	10
Indan, 1-methyl-	138.	NJ	mg/kg	10
Unknown Aromatic	80.5	J	mg/kg	10
Unknown Cyclohexane	94.6	J	mg/kg	10
Unknown Benzene	157.	J	mg/kg	10
Unknown	120.	J	mg/kg	10
Unknown	64.7	J	mg/kg	10
Unknown Benzene	73.5	J	mg/kg	10
Unknown Aromatic	153.	J	mg/kg	10
Benzene, (2-methyl-1-butenyl)-	75.2	NJ	mg/kg	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	75		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	130		70-130
Dibromofluoromethane	71		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-03 D
Client ID: SB-202 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:20
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 10:06
Analyst: KJD
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Methyl cyclohexane	410		mg/kg	32	4.9	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	90		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-04
Client ID: SB-203 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/22 17:16
Analyst: KJD
Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	1.6	0.14	1
Chloromethane	ND		mg/kg	0.63	0.15	1
Vinyl chloride	ND		mg/kg	0.16	0.053	1
Bromomethane	ND		mg/kg	0.32	0.092	1
Chloroethane	ND		mg/kg	0.32	0.071	1
Trichlorofluoromethane	ND		mg/kg	0.63	0.11	1
1,1-Dichloroethene	ND		mg/kg	0.16	0.038	1
Carbon disulfide	ND		mg/kg	1.6	0.72	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.63	0.11	1
Methylene chloride	ND		mg/kg	0.79	0.36	1
Acetone	ND		mg/kg	1.6	0.76	1
trans-1,2-Dichloroethene	ND		mg/kg	0.24	0.022	1
Methyl Acetate	0.25	J	mg/kg	0.63	0.15	1
Methyl tert butyl ether	ND		mg/kg	0.32	0.032	1
1,1-Dichloroethane	ND		mg/kg	0.16	0.023	1
cis-1,2-Dichloroethene	ND		mg/kg	0.16	0.028	1
1,2-Dichloroethene, Total	ND		mg/kg	0.16	0.022	1
Cyclohexane	12.		mg/kg	1.6	0.086	1
Bromochloromethane	ND		mg/kg	0.32	0.032	1
Chloroform	ND		mg/kg	0.24	0.022	1
Carbon tetrachloride	ND		mg/kg	0.16	0.036	1
1,1,1-Trichloroethane	ND		mg/kg	0.079	0.026	1
2-Butanone	ND		mg/kg	1.6	0.35	1
Benzene	0.40		mg/kg	0.079	0.026	1
1,2-Dichloroethane	ND		mg/kg	0.16	0.040	1
Methyl cyclohexane	53.	E	mg/kg	0.63	0.095	1
Trichloroethene	ND		mg/kg	0.079	0.022	1
1,2-Dichloropropane	ND		mg/kg	0.16	0.020	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-04
 Client ID: SB-203 (8.5-9)
 Sample Location: PHILA., PA

Date Collected: 03/16/22 14:30
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.079	0.017	1
1,4-Dioxane	ND		mg/kg	13	5.5	1
cis-1,3-Dichloropropene	ND		mg/kg	0.079	0.025	1
Toluene	0.83		mg/kg	0.16	0.086	1
4-Methyl-2-pentanone	ND		mg/kg	1.6	0.20	1
Tetrachloroethene	ND		mg/kg	0.079	0.031	1
trans-1,3-Dichloropropene	ND		mg/kg	0.16	0.043	1
1,3-Dichloropropene, Total	ND		mg/kg	0.079	0.025	1
1,1,2-Trichloroethane	ND		mg/kg	0.16	0.042	1
Dibromochloromethane	ND		mg/kg	0.16	0.022	1
1,2-Dibromoethane	ND		mg/kg	0.079	0.046	1
2-Hexanone	ND		mg/kg	1.6	0.18	1
Chlorobenzene	ND		mg/kg	0.079	0.020	1
Ethylbenzene	1.1		mg/kg	0.16	0.022	1
p/m-Xylene	1.9		mg/kg	0.32	0.088	1
o-Xylene	0.39		mg/kg	0.16	0.046	1
Xylenes, Total	2.3		mg/kg	0.16	0.046	1
Styrene	0.031	J	mg/kg	0.16	0.031	1
Bromoform	ND		mg/kg	0.63	0.039	1
Isopropylbenzene	10.		mg/kg	0.16	0.017	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.079	0.026	1
1,3,5-Trimethylbenzene	0.27	J	mg/kg	0.32	0.030	1
1,2,4-Trimethylbenzene	0.92		mg/kg	0.32	0.053	1
1,3-Dichlorobenzene	ND		mg/kg	0.32	0.023	1
1,4-Dichlorobenzene	ND		mg/kg	0.32	0.027	1
1,2-Dichlorobenzene	ND		mg/kg	0.32	0.023	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.47	0.16	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.32	0.043	1
Naphthalene	1.4		mg/kg	0.63	0.10	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.32	0.051	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-04
Client ID: SB-203 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	194.	J	mg/kg			1
Benzene, 1,2-diethyl-	18.2	NJ	mg/kg			1
Unknown Benzene	30.8	J	mg/kg			1
Unknown Aromatic	16.1	J	mg/kg			1
Unknown Aromatic	21.0	J	mg/kg			1
Unknown Benzene	17.4	J	mg/kg			1
Unknown Aromatic	14.8	J	mg/kg			1
Unknown Aromatic	16.4	J	mg/kg			1
Unknown Aromatic	33.6	J	mg/kg			1
Unknown Aromatic	11.2	J	mg/kg			1
Benzene, Propyl-	14.6	NJ	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	198	Q	70-130
Dibromofluoromethane	84		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-04 **D**
Client ID: SB-203 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 10:29
Analyst: KJD
Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Methyl cyclohexane	64.		mg/kg	6.3	0.95	10
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	93		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-05 D2
Client ID: SB-204 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/30/22 18:01
Analyst: AJK
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Methyl cyclohexane	120		mg/kg	3.6	0.54	10
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	85		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-05 D
Client ID: SB-204 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/22 17:39
Analyst: KJD
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	4.5	0.41	5
Chloromethane	ND		mg/kg	1.8	0.42	5
Vinyl chloride	ND		mg/kg	0.45	0.15	5
Bromomethane	ND		mg/kg	0.90	0.26	5
Chloroethane	ND		mg/kg	0.90	0.20	5
Trichlorofluoromethane	ND		mg/kg	1.8	0.31	5
1,1-Dichloroethene	ND		mg/kg	0.45	0.11	5
Carbon disulfide	ND		mg/kg	4.5	2.0	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	1.8	0.31	5
Methylene chloride	ND		mg/kg	2.2	1.0	5
Acetone	ND		mg/kg	4.5	2.2	5
trans-1,2-Dichloroethene	ND		mg/kg	0.68	0.062	5
Methyl Acetate	ND		mg/kg	1.8	0.43	5
Methyl tert butyl ether	ND		mg/kg	0.90	0.090	5
1,1-Dichloroethane	ND		mg/kg	0.45	0.065	5
cis-1,2-Dichloroethene	ND		mg/kg	0.45	0.079	5
1,2-Dichloroethene, Total	ND		mg/kg	0.45	0.062	5
Cyclohexane	58.		mg/kg	4.5	0.24	5
Bromochloromethane	ND		mg/kg	0.90	0.092	5
Chloroform	ND		mg/kg	0.68	0.063	5
Carbon tetrachloride	ND		mg/kg	0.45	0.10	5
1,1,1-Trichloroethane	ND		mg/kg	0.22	0.075	5
2-Butanone	ND		mg/kg	4.5	1.0	5
Benzene	0.59		mg/kg	0.22	0.075	5
1,2-Dichloroethane	ND		mg/kg	0.45	0.12	5
Methyl cyclohexane	150	E	mg/kg	1.8	0.27	5
Trichloroethene	ND		mg/kg	0.22	0.062	5
1,2-Dichloropropane	ND		mg/kg	0.45	0.056	5

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-05 D

Date Collected: 03/16/22 14:35

Client ID: SB-204 (8.5-9)

Date Received: 03/17/22

Sample Location: PHILA., PA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.22	0.049	5
1,4-Dioxane	ND		mg/kg	36	16.	5
cis-1,3-Dichloropropene	ND		mg/kg	0.22	0.071	5
Toluene	0.79		mg/kg	0.45	0.24	5
4-Methyl-2-pentanone	ND		mg/kg	4.5	0.58	5
Tetrachloroethene	ND		mg/kg	0.22	0.088	5
trans-1,3-Dichloropropene	ND		mg/kg	0.45	0.12	5
1,3-Dichloropropene, Total	ND		mg/kg	0.22	0.071	5
1,1,2-Trichloroethane	ND		mg/kg	0.45	0.12	5
Dibromochloromethane	ND		mg/kg	0.45	0.063	5
1,2-Dibromoethane	ND		mg/kg	0.22	0.13	5
2-Hexanone	ND		mg/kg	4.5	0.53	5
Chlorobenzene	ND		mg/kg	0.22	0.057	5
Ethylbenzene	3.1		mg/kg	0.45	0.063	5
p/m-Xylene	3.2		mg/kg	0.90	0.25	5
o-Xylene	0.53		mg/kg	0.45	0.13	5
Xylenes, Total	3.7		mg/kg	0.45	0.13	5
Styrene	ND		mg/kg	0.45	0.088	5
Bromoform	ND		mg/kg	1.8	0.11	5
Isopropylbenzene	26.		mg/kg	0.45	0.049	5
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.22	0.075	5
1,3,5-Trimethylbenzene	1.0		mg/kg	0.90	0.087	5
1,2,4-Trimethylbenzene	2.0		mg/kg	0.90	0.15	5
1,3-Dichlorobenzene	ND		mg/kg	0.90	0.067	5
1,4-Dichlorobenzene	ND		mg/kg	0.90	0.077	5
1,2-Dichlorobenzene	ND		mg/kg	0.90	0.065	5
1,2-Dibromo-3-chloropropane	ND		mg/kg	1.4	0.45	5
1,2,4-Trichlorobenzene	ND		mg/kg	0.90	0.12	5
Naphthalene	2.8		mg/kg	1.8	0.29	5
1,2,3-Trichlorobenzene	ND		mg/kg	0.90	0.14	5

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-05 **D**
Client ID: SB-204 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	909.	J	mg/kg			5
Unknown Aromatic	120.	J	mg/kg			5
Unknown	42.4	J	mg/kg			5
Benzene, Propyl-	84.0	NJ	mg/kg			5
Unknown Benzene	155.	J	mg/kg			5
Unknown Aromatic	81.8	J	mg/kg			5
Unknown Aromatic	62.3	J	mg/kg			5
Unknown Aromatic	43.5	J	mg/kg			5
Unknown Aromatic	124.	J	mg/kg			5
Unknown	121.	J	mg/kg			5
Unknown Benzene	75.3	J	mg/kg			5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	78		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	213	Q	70-130
Dibromofluoromethane	62	Q	70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-06 **D**
Client ID: SB-205 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/16/22 14:45
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 11:16
Analyst: KJD
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	3.3	0.30	5
Chloromethane	ND		mg/kg	1.3	0.31	5
Vinyl chloride	ND		mg/kg	0.33	0.11	5
Bromomethane	ND		mg/kg	0.67	0.19	5
Chloroethane	ND		mg/kg	0.67	0.15	5
Trichlorofluoromethane	ND		mg/kg	1.3	0.23	5
1,1-Dichloroethene	ND		mg/kg	0.33	0.079	5
Carbon disulfide	ND		mg/kg	3.3	1.5	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	1.3	0.23	5
Methylene chloride	ND		mg/kg	1.7	0.76	5
Acetone	ND		mg/kg	3.3	1.6	5
trans-1,2-Dichloroethene	ND		mg/kg	0.50	0.046	5
Methyl Acetate	ND		mg/kg	1.3	0.32	5
Methyl tert butyl ether	ND		mg/kg	0.67	0.067	5
1,1-Dichloroethane	ND		mg/kg	0.33	0.048	5
cis-1,2-Dichloroethene	ND		mg/kg	0.33	0.058	5
1,2-Dichloroethene, Total	ND		mg/kg	0.33	0.046	5
Cyclohexane	2.7	J	mg/kg	3.3	0.18	5
Bromochloromethane	ND		mg/kg	0.67	0.068	5
Chloroform	ND		mg/kg	0.50	0.047	5
Carbon tetrachloride	ND		mg/kg	0.33	0.077	5
1,1,1-Trichloroethane	ND		mg/kg	0.17	0.056	5
2-Butanone	ND		mg/kg	3.3	0.74	5
Benzene	0.091	J	mg/kg	0.17	0.055	5
1,2-Dichloroethane	ND		mg/kg	0.33	0.086	5
Methyl cyclohexane	8.0		mg/kg	1.3	0.20	5
Trichloroethene	ND		mg/kg	0.17	0.046	5
1,2-Dichloropropane	ND		mg/kg	0.33	0.042	5

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-06 D

Date Collected: 03/16/22 14:45

Client ID: SB-205 (3.5-4)

Date Received: 03/17/22

Sample Location: PHILA., PA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.17	0.036	5
1,4-Dioxane	ND		mg/kg	27	12.	5
cis-1,3-Dichloropropene	ND		mg/kg	0.17	0.053	5
Toluene	0.62		mg/kg	0.33	0.18	5
4-Methyl-2-pentanone	ND		mg/kg	3.3	0.43	5
Tetrachloroethene	ND		mg/kg	0.17	0.065	5
trans-1,3-Dichloropropene	ND		mg/kg	0.33	0.091	5
1,3-Dichloropropene, Total	ND		mg/kg	0.17	0.053	5
1,1,2-Trichloroethane	ND		mg/kg	0.33	0.089	5
Dibromochloromethane	ND		mg/kg	0.33	0.047	5
1,2-Dibromoethane	ND		mg/kg	0.17	0.098	5
2-Hexanone	ND		mg/kg	3.3	0.39	5
Chlorobenzene	ND		mg/kg	0.17	0.042	5
Ethylbenzene	0.32	J	mg/kg	0.33	0.047	5
p/m-Xylene	1.4		mg/kg	0.67	0.19	5
o-Xylene	0.28	J	mg/kg	0.33	0.097	5
Xylenes, Total	1.7	J	mg/kg	0.33	0.097	5
Styrene	0.067	J	mg/kg	0.33	0.065	5
Bromoform	ND		mg/kg	1.3	0.082	5
Isopropylbenzene	0.21	J	mg/kg	0.33	0.036	5
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.17	0.055	5
1,3,5-Trimethylbenzene	1.2		mg/kg	0.67	0.064	5
1,2,4-Trimethylbenzene	2.7		mg/kg	0.67	0.11	5
1,3-Dichlorobenzene	ND		mg/kg	0.67	0.049	5
1,4-Dichlorobenzene	ND		mg/kg	0.67	0.057	5
1,2-Dichlorobenzene	ND		mg/kg	0.67	0.048	5
1,2-Dibromo-3-chloropropane	ND		mg/kg	1.0	0.33	5
1,2,4-Trichlorobenzene	ND		mg/kg	0.67	0.091	5
Naphthalene	0.39	J	mg/kg	1.3	0.22	5
1,2,3-Trichlorobenzene	ND		mg/kg	0.67	0.11	5

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-06 D
 Client ID: SB-205 (3.5-4)
 Sample Location: PHILA., PA

Date Collected: 03/16/22 14:45
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	174.	J	mg/kg	5
Unknown	19.6	J	mg/kg	5
Decane, 4-methyl-	15.8	NJ	mg/kg	5
Unknown Cyclohexane	22.6	J	mg/kg	5
Unknown	13.7	J	mg/kg	5
Unknown	17.5	J	mg/kg	5
Unknown	15.8	J	mg/kg	5
Unknown Alkane	21.3	J	mg/kg	5
Decane (C10)	17.7	NJ	mg/kg	5
Unknown	12.9	J	mg/kg	5
Heptane, 3-methyl-	16.8	NJ	mg/kg	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	133	Q	70-130
Dibromofluoromethane	93		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-07
Client ID: SB-206 (2.5-3)
Sample Location: PHILA., PA

Date Collected: 03/17/22 08:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/22 18:48
Analyst: KJD
Percent Solids: 58%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.020	0.0019	1
Chloromethane	ND		mg/kg	0.0082	0.0019	1
Vinyl chloride	ND		mg/kg	0.0020	0.00068	1
Bromomethane	ND		mg/kg	0.0041	0.0012	1
Chloroethane	ND		mg/kg	0.0041	0.00092	1
Trichlorofluoromethane	ND		mg/kg	0.0082	0.0014	1
1,1-Dichloroethene	ND		mg/kg	0.0020	0.00048	1
Carbon disulfide	ND		mg/kg	0.020	0.0093	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0082	0.0014	1
Methylene chloride	ND		mg/kg	0.010	0.0047	1
Acetone	ND		mg/kg	0.051	0.020	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0031	0.00028	1
Methyl Acetate	ND		mg/kg	0.0082	0.0019	1
Methyl tert butyl ether	ND		mg/kg	0.0041	0.00041	1
1,1-Dichloroethane	ND		mg/kg	0.0020	0.00030	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0020	0.00036	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0020	0.00028	1
Cyclohexane	0.0073	J	mg/kg	0.020	0.0011	1
Bromochloromethane	ND		mg/kg	0.0041	0.00042	1
Chloroform	ND		mg/kg	0.0031	0.00028	1
Carbon tetrachloride	ND		mg/kg	0.0020	0.00047	1
1,1,1-Trichloroethane	ND		mg/kg	0.0010	0.00034	1
2-Butanone	ND		mg/kg	0.020	0.0045	1
Benzene	0.0031		mg/kg	0.0010	0.00034	1
1,2-Dichloroethane	ND		mg/kg	0.0020	0.00052	1
Methyl cyclohexane	0.033		mg/kg	0.0082	0.0012	1
Trichloroethene	ND		mg/kg	0.0010	0.00028	1
1,2-Dichloropropane	ND		mg/kg	0.0020	0.00026	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-07
 Client ID: SB-206 (2.5-3)
 Sample Location: PHILA., PA

Date Collected: 03/17/22 08:35
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.0010	0.00022	1
1,4-Dioxane	ND		mg/kg	0.16	0.072	1
cis-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00032	1
Toluene	0.013		mg/kg	0.0020	0.0011	1
4-Methyl-2-pentanone	ND		mg/kg	0.020	0.0026	1
Tetrachloroethene	ND		mg/kg	0.0010	0.00040	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0020	0.00056	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0010	0.00032	1
1,1,2-Trichloroethane	ND		mg/kg	0.0020	0.00054	1
Dibromochloromethane	ND		mg/kg	0.0020	0.00028	1
1,2-Dibromoethane	ND		mg/kg	0.0010	0.00060	1
2-Hexanone	ND		mg/kg	0.020	0.0024	1
Chlorobenzene	ND		mg/kg	0.0010	0.00026	1
Ethylbenzene	0.0054		mg/kg	0.0020	0.00029	1
p/m-Xylene	0.025		mg/kg	0.0041	0.0011	1
o-Xylene	0.0066		mg/kg	0.0020	0.00059	1
Xylenes, Total	0.032		mg/kg	0.0020	0.00059	1
Styrene	0.00050	J	mg/kg	0.0020	0.00040	1
Bromoform	ND		mg/kg	0.0082	0.00050	1
Isopropylbenzene	0.00067	J	mg/kg	0.0020	0.00022	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00034	1
1,3,5-Trimethylbenzene	0.017		mg/kg	0.0041	0.00039	1
1,2,4-Trimethylbenzene	0.022		mg/kg	0.0041	0.00068	1
1,3-Dichlorobenzene	ND		mg/kg	0.0041	0.00030	1
1,4-Dichlorobenzene	ND		mg/kg	0.0041	0.00035	1
1,2-Dichlorobenzene	ND		mg/kg	0.0041	0.00029	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0061	0.0020	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0041	0.00056	1
Naphthalene	0.0051	J	mg/kg	0.0082	0.0013	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0041	0.00066	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-07
Client ID: SB-206 (2.5-3)
Sample Location: PHILA., PA

Date Collected: 03/17/22 08:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	3.57	J	mg/kg			1
Unknown	0.419	J	mg/kg			1
Unknown Cyclohexane	0.251	J	mg/kg			1
Unknown Aromatic	0.196	J	mg/kg			1
Unknown	0.450	J	mg/kg			1
Unknown	0.498	J	mg/kg			1
Unknown	0.466	J	mg/kg			1
Unknown	0.212	J	mg/kg			1
Unknown	0.420	J	mg/kg			1
Unknown	0.230	J	mg/kg			1
Unknown	0.424	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	220	Q	70-130
Dibromofluoromethane	78		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-08
Client ID: SB-207 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 08:50
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/29/22 21:16
Analyst: KJD
Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.015	0.0014	1
Chloromethane	ND		mg/kg	0.0062	0.0014	1
Vinyl chloride	ND		mg/kg	0.0015	0.00052	1
Bromomethane	ND		mg/kg	0.0031	0.00090	1
Chloroethane	ND		mg/kg	0.0031	0.00070	1
Trichlorofluoromethane	ND		mg/kg	0.0062	0.0011	1
1,1-Dichloroethene	ND		mg/kg	0.0015	0.00037	1
Carbon disulfide	ND		mg/kg	0.015	0.0070	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0062	0.0011	1
Methylene chloride	ND		mg/kg	0.0077	0.0035	1
Acetone	0.069		mg/kg	0.039	0.015	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0023	0.00021	1
Methyl Acetate	ND		mg/kg	0.0062	0.0015	1
Methyl tert butyl ether	ND		mg/kg	0.0031	0.00031	1
1,1-Dichloroethane	ND		mg/kg	0.0015	0.00022	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00027	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0015	0.00021	1
Cyclohexane	0.050		mg/kg	0.015	0.00084	1
Bromochloromethane	ND		mg/kg	0.0031	0.00032	1
Chloroform	ND		mg/kg	0.0023	0.00022	1
Carbon tetrachloride	ND		mg/kg	0.0015	0.00036	1
1,1,1-Trichloroethane	ND		mg/kg	0.00077	0.00026	1
2-Butanone	0.010	J	mg/kg	0.015	0.0034	1
Benzene	0.021		mg/kg	0.00077	0.00026	1
1,2-Dichloroethane	ND		mg/kg	0.0015	0.00040	1
Methyl cyclohexane	0.063		mg/kg	0.0062	0.00093	1
Trichloroethene	ND		mg/kg	0.00077	0.00021	1
1,2-Dichloropropane	ND		mg/kg	0.0015	0.00019	1

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-08
 Client ID: SB-207 (4-4.5)
 Sample Location: PHILA., PA

Date Collected: 03/17/22 08:50
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00077	0.00017	1
1,4-Dioxane	ND		mg/kg	0.12	0.054	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00077	0.00024	1
Toluene	0.024		mg/kg	0.0015	0.00084	1
4-Methyl-2-pentanone	ND		mg/kg	0.015	0.0020	1
Tetrachloroethene	ND		mg/kg	0.00077	0.00030	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0015	0.00042	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00077	0.00024	1
1,1,2-Trichloroethane	ND		mg/kg	0.0015	0.00041	1
Dibromochloromethane	ND		mg/kg	0.0015	0.00022	1
1,2-Dibromoethane	ND		mg/kg	0.00077	0.00045	1
2-Hexanone	ND		mg/kg	0.015	0.0018	1
Chlorobenzene	ND		mg/kg	0.00077	0.00020	1
Ethylbenzene	0.013		mg/kg	0.0015	0.00022	1
p/m-Xylene	0.025		mg/kg	0.0031	0.00087	1
o-Xylene	0.030		mg/kg	0.0015	0.00045	1
Xylenes, Total	0.055		mg/kg	0.0015	0.00045	1
Styrene	ND		mg/kg	0.0015	0.00030	1
Bromoform	ND		mg/kg	0.0062	0.00038	1
Isopropylbenzene	0.0078		mg/kg	0.0015	0.00017	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00077	0.00026	1
1,3,5-Trimethylbenzene	0.035		mg/kg	0.0031	0.00030	1
1,2,4-Trimethylbenzene	0.047		mg/kg	0.0031	0.00052	1
1,3-Dichlorobenzene	ND		mg/kg	0.0031	0.00023	1
1,4-Dichlorobenzene	ND		mg/kg	0.0031	0.00026	1
1,2-Dichlorobenzene	ND		mg/kg	0.0031	0.00022	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0046	0.0015	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0031	0.00042	1
Naphthalene	0.13		mg/kg	0.0062	0.0010	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0031	0.00050	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-08
Client ID: SB-207 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 08:50
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.326	J	mg/kg			1
Unknown Cyclohexane	0.0210	J	mg/kg			1
Unknown Benzene	0.0448	J	mg/kg			1
Unknown	0.0349	J	mg/kg			1
Unknown Alkane	0.0502	J	mg/kg			1
Cyclohexane, 1,1,3-trimethyl-	0.0243	NJ	mg/kg			1
Pentane, 2-methyl-	0.0320	NJ	mg/kg			1
Unknown Benzene	0.0261	J	mg/kg			1
Butane, 2-Methyl-	0.0220	NJ	mg/kg			1
Cyclopentane, Methyl-	0.0292	NJ	mg/kg			1
Unknown Benzene	0.0414	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	132	Q	70-130
Dibromofluoromethane	86		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-08
Client ID: SB-207 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 08:50
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/30/22 17:36
Analyst: KJD
Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	1.1	0.097	1
Chloromethane	ND		mg/kg	0.42	0.099	1
Vinyl chloride	ND		mg/kg	0.11	0.036	1
Bromomethane	ND		mg/kg	0.21	0.062	1
Chloroethane	ND		mg/kg	0.21	0.048	1
Trichlorofluoromethane	ND		mg/kg	0.42	0.074	1
1,1-Dichloroethene	ND		mg/kg	0.11	0.025	1
Carbon disulfide	ND		mg/kg	1.1	0.48	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.42	0.074	1
Methylene chloride	ND		mg/kg	0.53	0.24	1
Acetone	ND		mg/kg	1.1	0.51	1
trans-1,2-Dichloroethene	ND		mg/kg	0.16	0.014	1
Methyl Acetate	ND		mg/kg	0.42	0.10	1
Methyl tert butyl ether	0.029	J	mg/kg	0.21	0.021	1
1,1-Dichloroethane	ND		mg/kg	0.11	0.015	1
cis-1,2-Dichloroethene	ND		mg/kg	0.11	0.018	1
1,2-Dichloroethene, Total	ND		mg/kg	0.11	0.014	1
Cyclohexane	1.7		mg/kg	1.1	0.058	1
Bromochloromethane	ND		mg/kg	0.21	0.022	1
Chloroform	ND		mg/kg	0.16	0.015	1
Carbon tetrachloride	ND		mg/kg	0.11	0.024	1
1,1,1-Trichloroethane	ND		mg/kg	0.053	0.018	1
2-Butanone	ND		mg/kg	1.1	0.24	1
Benzene	0.19		mg/kg	0.053	0.018	1
1,2-Dichloroethane	ND		mg/kg	0.11	0.027	1
Methyl cyclohexane	1.8		mg/kg	0.42	0.064	1
Trichloroethene	ND		mg/kg	0.053	0.014	1
1,2-Dichloropropane	ND		mg/kg	0.11	0.013	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-08
 Client ID: SB-207 (4-4.5)
 Sample Location: PHILA., PA

Date Collected: 03/17/22 08:50
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.053	0.012	1
1,4-Dioxane	ND		mg/kg	8.5	3.7	1
cis-1,3-Dichloropropene	ND		mg/kg	0.053	0.017	1
Toluene	0.53		mg/kg	0.11	0.058	1
4-Methyl-2-pentanone	ND		mg/kg	1.1	0.14	1
Tetrachloroethene	ND		mg/kg	0.053	0.021	1
trans-1,3-Dichloropropene	ND		mg/kg	0.11	0.029	1
1,3-Dichloropropene, Total	ND		mg/kg	0.053	0.017	1
1,1,2-Trichloroethane	ND		mg/kg	0.11	0.028	1
Dibromochloromethane	ND		mg/kg	0.11	0.015	1
1,2-Dibromoethane	ND		mg/kg	0.053	0.031	1
2-Hexanone	ND		mg/kg	1.1	0.12	1
Chlorobenzene	ND		mg/kg	0.053	0.013	1
Ethylbenzene	0.34		mg/kg	0.11	0.015	1
p/m-Xylene	0.85		mg/kg	0.21	0.059	1
o-Xylene	0.62		mg/kg	0.11	0.031	1
Xylenes, Total	1.5		mg/kg	0.11	0.031	1
Styrene	ND		mg/kg	0.11	0.021	1
Bromoform	ND		mg/kg	0.42	0.026	1
Isopropylbenzene	0.12		mg/kg	0.11	0.012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.053	0.018	1
1,3,5-Trimethylbenzene	0.45		mg/kg	0.21	0.020	1
1,2,4-Trimethylbenzene	0.47		mg/kg	0.21	0.035	1
1,3-Dichlorobenzene	ND		mg/kg	0.21	0.016	1
1,4-Dichlorobenzene	ND		mg/kg	0.21	0.018	1
1,2-Dichlorobenzene	ND		mg/kg	0.21	0.015	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.32	0.10	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.21	0.029	1
Naphthalene	0.15	J	mg/kg	0.42	0.069	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.21	0.034	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-08
Client ID: SB-207 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 08:50
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	18.5	J	mg/kg	1
Heptane, 3-methyl-	1.03	NJ	mg/kg	1
Unknown Cyclohexane	0.779	J	mg/kg	1
Pentane, 2-methyl-	2.20	NJ	mg/kg	1
Octane	2.88	NJ	mg/kg	1
Unknown	0.880	J	mg/kg	1
Cyclopentane, Methyl-	2.05	NJ	mg/kg	1
Hexane, 3-methyl-	1.77	NJ	mg/kg	1
Unknown	0.777	J	mg/kg	1
Pentane, 3-methyl-	1.34	NJ	mg/kg	1
Heptane	4.80	NJ	mg/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-09
Client ID: SB-208 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 12:26
Analyst: KJD
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.013	0.0012	1
Chloromethane	ND		mg/kg	0.0052	0.0012	1
Vinyl chloride	ND		mg/kg	0.0013	0.00043	1
Bromomethane	ND		mg/kg	0.0026	0.00075	1
Chloroethane	ND		mg/kg	0.0026	0.00058	1
Trichlorofluoromethane	ND		mg/kg	0.0052	0.00090	1
1,1-Dichloroethene	ND		mg/kg	0.0013	0.00031	1
Carbon disulfide	ND		mg/kg	0.013	0.0059	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0052	0.00089	1
Methylene chloride	ND		mg/kg	0.0064	0.0030	1
Acetone	0.042		mg/kg	0.032	0.013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0019	0.00018	1
Methyl Acetate	ND		mg/kg	0.0052	0.0012	1
Methyl tert butyl ether	0.00069	J	mg/kg	0.0026	0.00026	1
1,1-Dichloroethane	ND		mg/kg	0.0013	0.00019	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0013	0.00022	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0013	0.00018	1
Cyclohexane	ND		mg/kg	0.013	0.00070	1
Bromochloromethane	ND		mg/kg	0.0026	0.00026	1
Chloroform	ND		mg/kg	0.0019	0.00018	1
Carbon tetrachloride	ND		mg/kg	0.0013	0.00030	1
1,1,1-Trichloroethane	ND		mg/kg	0.00064	0.00022	1
2-Butanone	0.0064	J	mg/kg	0.013	0.0029	1
Benzene	ND		mg/kg	0.00064	0.00021	1
1,2-Dichloroethane	ND		mg/kg	0.0013	0.00033	1
Methyl cyclohexane	ND		mg/kg	0.0052	0.00078	1
Trichloroethene	ND		mg/kg	0.00064	0.00018	1
1,2-Dichloropropane	ND		mg/kg	0.0013	0.00016	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-09
Client ID: SB-208 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00064	0.00014	1
1,4-Dioxane	ND		mg/kg	0.10	0.045	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00064	0.00020	1
Toluene	0.00095	J	mg/kg	0.0013	0.00070	1
4-Methyl-2-pentanone	ND		mg/kg	0.013	0.0016	1
Tetrachloroethene	ND		mg/kg	0.00064	0.00025	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0013	0.00035	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00064	0.00020	1
1,1,2-Trichloroethane	ND		mg/kg	0.0013	0.00034	1
Dibromochloromethane	ND		mg/kg	0.0013	0.00018	1
1,2-Dibromoethane	ND		mg/kg	0.00064	0.00038	1
2-Hexanone	ND		mg/kg	0.013	0.0015	1
Chlorobenzene	ND		mg/kg	0.00064	0.00016	1
Ethylbenzene	ND		mg/kg	0.0013	0.00018	1
p/m-Xylene	ND		mg/kg	0.0026	0.00072	1
o-Xylene	ND		mg/kg	0.0013	0.00038	1
Xylenes, Total	ND		mg/kg	0.0013	0.00038	1
Styrene	0.00025	J	mg/kg	0.0013	0.00025	1
Bromoform	ND		mg/kg	0.0052	0.00032	1
Isopropylbenzene	ND		mg/kg	0.0013	0.00014	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00064	0.00021	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0026	0.00025	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0026	0.00043	1
1,3-Dichlorobenzene	ND		mg/kg	0.0026	0.00019	1
1,4-Dichlorobenzene	ND		mg/kg	0.0026	0.00022	1
1,2-Dichlorobenzene	ND		mg/kg	0.0026	0.00018	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0039	0.0013	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0026	0.00035	1
Naphthalene	ND		mg/kg	0.0052	0.00084	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0026	0.00042	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-09
Client ID: SB-208 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.0157	J	mg/kg	1
Unknown	0.00623	J	mg/kg	1
Cyclotrisiloxane, Hexamethyl-	0.00294	NJ	mg/kg	1
Unknown	0.00268	J	mg/kg	1
Unknown	0.00386	J	mg/kg	1

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

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-10
Client ID: SB-209 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:25
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 12:49
Analyst: KJD
Percent Solids: 58%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.019	0.0018	1
Chloromethane	ND		mg/kg	0.0077	0.0018	1
Vinyl chloride	ND		mg/kg	0.0019	0.00065	1
Bromomethane	ND		mg/kg	0.0038	0.0011	1
Chloroethane	ND		mg/kg	0.0038	0.00087	1
Trichlorofluoromethane	ND		mg/kg	0.0077	0.0013	1
1,1-Dichloroethene	ND		mg/kg	0.0019	0.00046	1
Carbon disulfide	ND		mg/kg	0.019	0.0088	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0077	0.0013	1
Methylene chloride	ND		mg/kg	0.0096	0.0044	1
Acetone	ND		mg/kg	0.048	0.019	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0029	0.00026	1
Methyl Acetate	ND		mg/kg	0.0077	0.0018	1
Methyl tert butyl ether	ND		mg/kg	0.0038	0.00039	1
1,1-Dichloroethane	ND		mg/kg	0.0019	0.00028	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0019	0.00034	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0019	0.00026	1
Cyclohexane	0.0056	J	mg/kg	0.019	0.0010	1
Bromochloromethane	ND		mg/kg	0.0038	0.00040	1
Chloroform	ND		mg/kg	0.0029	0.00027	1
Carbon tetrachloride	ND		mg/kg	0.0019	0.00044	1
1,1,1-Trichloroethane	ND		mg/kg	0.00096	0.00032	1
2-Butanone	ND		mg/kg	0.019	0.0043	1
Benzene	0.0014		mg/kg	0.00096	0.00032	1
1,2-Dichloroethane	0.00054	J	mg/kg	0.0019	0.00050	1
Methyl cyclohexane	0.016		mg/kg	0.0077	0.0012	1
Trichloroethene	ND		mg/kg	0.00096	0.00026	1
1,2-Dichloropropane	ND		mg/kg	0.0019	0.00024	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-10
 Client ID: SB-209 (3.5-4)
 Sample Location: PHILA., PA

Date Collected: 03/17/22 09:25
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00096	0.00021	1
1,4-Dioxane	ND		mg/kg	0.15	0.068	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00096	0.00030	1
Toluene	0.0025		mg/kg	0.0019	0.0010	1
4-Methyl-2-pentanone	ND		mg/kg	0.019	0.0025	1
Tetrachloroethene	ND		mg/kg	0.00096	0.00038	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0019	0.00053	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00096	0.00030	1
1,1,2-Trichloroethane	ND		mg/kg	0.0019	0.00051	1
Dibromochloromethane	ND		mg/kg	0.0019	0.00027	1
1,2-Dibromoethane	ND		mg/kg	0.00096	0.00056	1
2-Hexanone	ND		mg/kg	0.019	0.0023	1
Chlorobenzene	ND		mg/kg	0.00096	0.00024	1
Ethylbenzene	0.00048	J	mg/kg	0.0019	0.00027	1
p/m-Xylene	0.0015	J	mg/kg	0.0038	0.0011	1
o-Xylene	0.0012	J	mg/kg	0.0019	0.00056	1
Xylenes, Total	0.0027	J	mg/kg	0.0019	0.00056	1
Styrene	ND		mg/kg	0.0019	0.00038	1
Bromoform	ND		mg/kg	0.0077	0.00047	1
Isopropylbenzene	0.00022	J	mg/kg	0.0019	0.00021	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00096	0.00032	1
1,3,5-Trimethylbenzene	0.0085		mg/kg	0.0038	0.00037	1
1,2,4-Trimethylbenzene	0.0022	J	mg/kg	0.0038	0.00064	1
1,3-Dichlorobenzene	ND		mg/kg	0.0038	0.00028	1
1,4-Dichlorobenzene	ND		mg/kg	0.0038	0.00033	1
1,2-Dichlorobenzene	ND		mg/kg	0.0038	0.00028	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0058	0.0019	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0038	0.00052	1
Naphthalene	0.0017	J	mg/kg	0.0077	0.0012	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0038	0.00062	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-10
Client ID: SB-209 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:25
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.228	J	mg/kg			1
Unknown	0.0161	J	mg/kg			1
Unknown Indene	0.0289	J	mg/kg			1
Unknown Benzene	0.0180	J	mg/kg			1
Unknown Aromatic	0.0212	J	mg/kg			1
Unknown Aromatic	0.0390	J	mg/kg			1
Unknown	0.0304	J	mg/kg			1
Unknown Benzene	0.0159	J	mg/kg			1
Unknown Benzene	0.0172	J	mg/kg			1
Unknown Aromatic	0.0182	J	mg/kg			1
Unknown Indene	0.0229	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	126		70-130
Dibromofluoromethane	85		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-11
Client ID: SB-210 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 13:13
Analyst: KJD
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.0093	0.00085	1
Chloromethane	ND		mg/kg	0.0037	0.00087	1
Vinyl chloride	ND		mg/kg	0.00093	0.00031	1
Bromomethane	ND		mg/kg	0.0019	0.00054	1
Chloroethane	ND		mg/kg	0.0019	0.00042	1
Trichlorofluoromethane	ND		mg/kg	0.0037	0.00065	1
1,1-Dichloroethene	ND		mg/kg	0.00093	0.00022	1
Carbon disulfide	ND		mg/kg	0.0093	0.0042	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0037	0.00065	1
Methylene chloride	ND		mg/kg	0.0047	0.0021	1
Acetone	ND		mg/kg	0.023	0.0093	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00013	1
Methyl Acetate	ND		mg/kg	0.0037	0.00088	1
Methyl tert butyl ether	0.00060	J	mg/kg	0.0019	0.00019	1
1,1-Dichloroethane	ND		mg/kg	0.00093	0.00014	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00093	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.00093	0.00013	1
Cyclohexane	ND		mg/kg	0.0093	0.00051	1
Bromochloromethane	ND		mg/kg	0.0019	0.00019	1
Chloroform	ND		mg/kg	0.0014	0.00013	1
Carbon tetrachloride	ND		mg/kg	0.00093	0.00021	1
1,1,1-Trichloroethane	ND		mg/kg	0.00047	0.00016	1
2-Butanone	ND		mg/kg	0.0093	0.0021	1
Benzene	ND		mg/kg	0.00047	0.00015	1
1,2-Dichloroethane	ND		mg/kg	0.00093	0.00024	1
Methyl cyclohexane	ND		mg/kg	0.0037	0.00056	1
Trichloroethene	ND		mg/kg	0.00047	0.00013	1
1,2-Dichloropropane	ND		mg/kg	0.00093	0.00012	1

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-11
 Client ID: SB-210 (4-4.5)
 Sample Location: PHILA., PA

Date Collected: 03/17/22 09:35
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00047	0.00010	1
1,4-Dioxane	ND		mg/kg	0.075	0.033	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00047	0.00015	1
Toluene	ND		mg/kg	0.00093	0.00051	1
4-Methyl-2-pentanone	ND		mg/kg	0.0093	0.0012	1
Tetrachloroethene	ND		mg/kg	0.00047	0.00018	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00093	0.00025	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00047	0.00015	1
1,1,2-Trichloroethane	ND		mg/kg	0.00093	0.00025	1
Dibromochloromethane	ND		mg/kg	0.00093	0.00013	1
1,2-Dibromoethane	ND		mg/kg	0.00047	0.00027	1
2-Hexanone	ND		mg/kg	0.0093	0.0011	1
Chlorobenzene	ND		mg/kg	0.00047	0.00012	1
Ethylbenzene	ND		mg/kg	0.00093	0.00013	1
p/m-Xylene	ND		mg/kg	0.0019	0.00052	1
o-Xylene	ND		mg/kg	0.00093	0.00027	1
Xylenes, Total	ND		mg/kg	0.00093	0.00027	1
Styrene	ND		mg/kg	0.00093	0.00018	1
Bromoform	ND		mg/kg	0.0037	0.00023	1
Isopropylbenzene	ND		mg/kg	0.00093	0.00010	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00047	0.00015	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0019	0.00018	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0019	0.00031	1
1,3-Dichlorobenzene	ND		mg/kg	0.0019	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0019	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0019	0.00013	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0028	0.00093	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0019	0.00025	1
Naphthalene	ND		mg/kg	0.0037	0.00061	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0019	0.00030	1

Tentatively Identified Compounds

Total TIC Compounds	0.00462	J	mg/kg	1
Cyclotrisiloxane, Hexamethyl-	0.00270	NJ	mg/kg	1
Unknown	0.00192	J	mg/kg	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-11
Client ID: SB-210 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-12
Client ID: SB-211 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:40
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 13:37
Analyst: KJD
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.0011	1
Chloromethane	ND		mg/kg	0.0048	0.0011	1
Vinyl chloride	ND		mg/kg	0.0012	0.00040	1
Bromomethane	ND		mg/kg	0.0024	0.00069	1
Chloroethane	ND		mg/kg	0.0024	0.00054	1
Trichlorofluoromethane	ND		mg/kg	0.0048	0.00082	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00028	1
Carbon disulfide	ND		mg/kg	0.012	0.0054	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0048	0.00082	1
Methylene chloride	ND		mg/kg	0.0059	0.0027	1
Acetone	0.023	J	mg/kg	0.030	0.012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00016	1
Methyl Acetate	ND		mg/kg	0.0048	0.0011	1
Methyl tert butyl ether	ND		mg/kg	0.0024	0.00024	1
1,1-Dichloroethane	ND		mg/kg	0.0012	0.00017	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00021	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00016	1
Cyclohexane	0.0014	J	mg/kg	0.012	0.00065	1
Bromochloromethane	ND		mg/kg	0.0024	0.00024	1
Chloroform	ND		mg/kg	0.0018	0.00017	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00027	1
1,1,1-Trichloroethane	ND		mg/kg	0.00059	0.00020	1
2-Butanone	0.0044	J	mg/kg	0.012	0.0026	1
Benzene	ND		mg/kg	0.00059	0.00020	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00030	1
Methyl cyclohexane	0.0014	J	mg/kg	0.0048	0.00072	1
Trichloroethene	ND		mg/kg	0.00059	0.00016	1
1,2-Dichloropropane	ND		mg/kg	0.0012	0.00015	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-12
Client ID: SB-211 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:40
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00059	0.00013	1
1,4-Dioxane	ND		mg/kg	0.095	0.042	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00059	0.00019	1
Toluene	ND		mg/kg	0.0012	0.00064	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.0015	1
Tetrachloroethene	ND		mg/kg	0.00059	0.00023	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00032	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00059	0.00019	1
1,1,2-Trichloroethane	ND		mg/kg	0.0012	0.00032	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00017	1
1,2-Dibromoethane	ND		mg/kg	0.00059	0.00035	1
2-Hexanone	ND		mg/kg	0.012	0.0014	1
Chlorobenzene	ND		mg/kg	0.00059	0.00015	1
Ethylbenzene	ND		mg/kg	0.0012	0.00017	1
p/m-Xylene	ND		mg/kg	0.0024	0.00066	1
o-Xylene	ND		mg/kg	0.0012	0.00034	1
Xylenes, Total	ND		mg/kg	0.0012	0.00034	1
Styrene	ND		mg/kg	0.0012	0.00023	1
Bromoform	ND		mg/kg	0.0048	0.00029	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00059	0.00020	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0024	0.00023	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0024	0.00040	1
1,3-Dichlorobenzene	ND		mg/kg	0.0024	0.00018	1
1,4-Dichlorobenzene	ND		mg/kg	0.0024	0.00020	1
1,2-Dichlorobenzene	ND		mg/kg	0.0024	0.00017	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0036	0.0012	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0024	0.00032	1
Naphthalene	0.0012	J	mg/kg	0.0048	0.00077	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0024	0.00038	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-12
Client ID: SB-211 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:40
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.0428	J	mg/kg			1
Unknown Aromatic	0.00696	J	mg/kg			1
Unknown Indene	0.00410	J	mg/kg			1
Unknown Aromatic	0.00449	J	mg/kg			1
Unknown Aromatic	0.00634	J	mg/kg			1
Unknown	0.00404	J	mg/kg			1
Unknown Aromatic	0.00291	J	mg/kg			1
Indane	0.00277	NJ	mg/kg			1
Unknown Aromatic	0.00517	J	mg/kg			1
Unknown Naphthalene	0.00267	J	mg/kg			1
Unknown Indene	0.00334	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-13
Client ID: SB-212 (4.5-5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 16:22
Analyst: KJD
Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.014	0.0013	1
Chloromethane	ND		mg/kg	0.0056	0.0013	1
Vinyl chloride	ND		mg/kg	0.0014	0.00047	1
Bromomethane	ND		mg/kg	0.0028	0.00082	1
Chloroethane	ND		mg/kg	0.0028	0.00064	1
Trichlorofluoromethane	ND		mg/kg	0.0056	0.00098	1
1,1-Dichloroethene	ND		mg/kg	0.0014	0.00034	1
Carbon disulfide	ND		mg/kg	0.014	0.0064	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0056	0.00098	1
Methylene chloride	ND		mg/kg	0.0070	0.0032	1
Acetone	0.020	J	mg/kg	0.035	0.014	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0021	0.00019	1
Methyl Acetate	ND		mg/kg	0.0056	0.0013	1
Methyl tert butyl ether	0.0014	J	mg/kg	0.0028	0.00028	1
1,1-Dichloroethane	ND		mg/kg	0.0014	0.00020	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00025	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0014	0.00019	1
Cyclohexane	0.00086	J	mg/kg	0.014	0.00077	1
Bromochloromethane	ND		mg/kg	0.0028	0.00029	1
Chloroform	ND		mg/kg	0.0021	0.00020	1
Carbon tetrachloride	ND		mg/kg	0.0014	0.00032	1
1,1,1-Trichloroethane	ND		mg/kg	0.00070	0.00024	1
2-Butanone	0.0035	J	mg/kg	0.014	0.0031	1
Benzene	0.0011		mg/kg	0.00070	0.00023	1
1,2-Dichloroethane	ND		mg/kg	0.0014	0.00036	1
Methyl cyclohexane	0.0017	J	mg/kg	0.0056	0.00085	1
Trichloroethene	ND		mg/kg	0.00070	0.00019	1
1,2-Dichloropropane	ND		mg/kg	0.0014	0.00018	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-13**Date Collected:** 03/17/22 10:00**Client ID:** SB-212 (4.5-5)**Date Received:** 03/17/22**Sample Location:** PHILA., PA**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00070	0.00015	1
1,4-Dioxane	ND		mg/kg	0.11	0.049	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00070	0.00022	1
Toluene	0.0023		mg/kg	0.0014	0.00076	1
4-Methyl-2-pentanone	ND		mg/kg	0.014	0.0018	1
Tetrachloroethene	ND		mg/kg	0.00070	0.00028	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0014	0.00038	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00070	0.00022	1
1,1,2-Trichloroethane	ND		mg/kg	0.0014	0.00038	1
Dibromochloromethane	ND		mg/kg	0.0014	0.00020	1
1,2-Dibromoethane	ND		mg/kg	0.00070	0.00041	1
2-Hexanone	ND		mg/kg	0.014	0.0017	1
Chlorobenzene	ND		mg/kg	0.00070	0.00018	1
Ethylbenzene	0.00046	J	mg/kg	0.0014	0.00020	1
p/m-Xylene	0.0030		mg/kg	0.0028	0.00079	1
o-Xylene	0.0022		mg/kg	0.0014	0.00041	1
Xylenes, Total	0.0052		mg/kg	0.0014	0.00041	1
Styrene	ND		mg/kg	0.0014	0.00028	1
Bromoform	ND		mg/kg	0.0056	0.00035	1
Isopropylbenzene	0.00019	J	mg/kg	0.0014	0.00015	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00070	0.00023	1
1,3,5-Trimethylbenzene	0.0024	J	mg/kg	0.0028	0.00027	1
1,2,4-Trimethylbenzene	0.0029		mg/kg	0.0028	0.00047	1
1,3-Dichlorobenzene	ND		mg/kg	0.0028	0.00021	1
1,4-Dichlorobenzene	ND		mg/kg	0.0028	0.00024	1
1,2-Dichlorobenzene	ND		mg/kg	0.0028	0.00020	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0042	0.0014	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0028	0.00038	1
Naphthalene	0.12		mg/kg	0.0056	0.00092	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0028	0.00045	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-13
Client ID: SB-212 (4.5-5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.130	J	mg/kg			1
Unknown	0.0242	J	mg/kg			1
Unknown	0.00684	J	mg/kg			1
Fluorene	0.00618	NJ	mg/kg			1
Unknown	0.00479	J	mg/kg			1
Unknown Aromatic	0.00577	J	mg/kg			1
Unknown Naphthalene	0.00416	J	mg/kg			1
Unknown	0.00639	J	mg/kg			1
Acenaphthene	0.0459	NJ	mg/kg			1
Unknown Aromatic	0.0199	J	mg/kg			1
Unknown Naphthalene	0.00636	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	99		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-14 **D**
Client ID: SB-213 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:10
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/31/22 11:04
Analyst: KJD
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	5.8	0.53	5
Chloromethane	ND		mg/kg	2.3	0.54	5
Vinyl chloride	ND		mg/kg	0.58	0.19	5
Bromomethane	ND		mg/kg	1.2	0.34	5
Chloroethane	ND		mg/kg	1.2	0.26	5
Trichlorofluoromethane	ND		mg/kg	2.3	0.40	5
1,1-Dichloroethene	ND		mg/kg	0.58	0.14	5
Carbon disulfide	ND		mg/kg	5.8	2.6	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	2.3	0.40	5
Methylene chloride	ND		mg/kg	2.9	1.3	5
Acetone	ND		mg/kg	5.8	2.8	5
trans-1,2-Dichloroethene	ND		mg/kg	0.87	0.079	5
Methyl Acetate	1.6	J	mg/kg	2.3	0.55	5
Methyl tert butyl ether	ND		mg/kg	1.2	0.12	5
1,1-Dichloroethane	ND		mg/kg	0.58	0.084	5
cis-1,2-Dichloroethene	ND		mg/kg	0.58	0.10	5
1,2-Dichloroethene, Total	ND		mg/kg	0.58	0.079	5
Cyclohexane	0.33	J	mg/kg	5.8	0.31	5
Bromochloromethane	ND		mg/kg	1.2	0.12	5
Chloroform	ND		mg/kg	0.87	0.081	5
Carbon tetrachloride	ND		mg/kg	0.58	0.13	5
1,1,1-Trichloroethane	ND		mg/kg	0.29	0.096	5
2-Butanone	ND		mg/kg	5.8	1.3	5
Benzene	1.8		mg/kg	0.29	0.096	5
1,2-Dichloroethane	ND		mg/kg	0.58	0.15	5
Methyl cyclohexane	0.39	J	mg/kg	2.3	0.35	5
Trichloroethene	ND		mg/kg	0.29	0.079	5
1,2-Dichloropropane	ND		mg/kg	0.58	0.072	5

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-14 **D**
Client ID: SB-213 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:10
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.29	0.063	5
1,4-Dioxane	ND		mg/kg	46	20.	5
cis-1,3-Dichloropropene	ND		mg/kg	0.29	0.091	5
Toluene	4.6		mg/kg	0.58	0.31	5
4-Methyl-2-pentanone	ND		mg/kg	5.8	0.74	5
Tetrachloroethene	ND		mg/kg	0.29	0.11	5
trans-1,3-Dichloropropene	ND		mg/kg	0.58	0.16	5
1,3-Dichloropropene, Total	ND		mg/kg	0.29	0.091	5
1,1,2-Trichloroethane	ND		mg/kg	0.58	0.15	5
Dibromochloromethane	ND		mg/kg	0.58	0.081	5
1,2-Dibromoethane	ND		mg/kg	0.29	0.17	5
2-Hexanone	ND		mg/kg	5.8	0.68	5
Chlorobenzene	ND		mg/kg	0.29	0.073	5
Ethylbenzene	4.7		mg/kg	0.58	0.082	5
p/m-Xylene	11.		mg/kg	1.2	0.32	5
o-Xylene	6.9		mg/kg	0.58	0.17	5
Xylenes, Total	18.		mg/kg	0.58	0.17	5
Styrene	0.67		mg/kg	0.58	0.11	5
Bromoform	ND		mg/kg	2.3	0.14	5
Isopropylbenzene	1.3		mg/kg	0.58	0.063	5
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.29	0.096	5
1,3,5-Trimethylbenzene	8.5		mg/kg	1.2	0.11	5
1,2,4-Trimethylbenzene	20.		mg/kg	1.2	0.19	5
1,3-Dichlorobenzene	ND		mg/kg	1.2	0.086	5
1,4-Dichlorobenzene	ND		mg/kg	1.2	0.099	5
1,2-Dichlorobenzene	ND		mg/kg	1.2	0.083	5
1,2-Dibromo-3-chloropropane	ND		mg/kg	1.7	0.58	5
1,2,4-Trichlorobenzene	ND		mg/kg	1.2	0.16	5
Naphthalene	1700	E	mg/kg	2.3	0.38	5
1,2,3-Trichlorobenzene	ND		mg/kg	1.2	0.19	5

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-14 **D**
Client ID: SB-213 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:10
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	426.	J	mg/kg	5
Unknown Aromatic	10.3	J	mg/kg	5
Unknown Benzene	8.70	J	mg/kg	5
Indane	38.4	NJ	mg/kg	5
Unknown Aromatic	19.8	J	mg/kg	5
Unknown	13.9	J	mg/kg	5
Unknown	44.6	J	mg/kg	5
Unknown Aromatic	19.1	J	mg/kg	5
Unknown Benzofuran	10.4	J	mg/kg	5
Unknown	195.	J	mg/kg	5
Unknown Aromatic	66.2	J	mg/kg	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-15
Client ID: SB-214 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:20
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 16:46
Analyst: KJD
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00097	1
Chloromethane	ND		mg/kg	0.0042	0.00098	1
Vinyl chloride	ND		mg/kg	0.0010	0.00035	1
Bromomethane	ND		mg/kg	0.0021	0.00061	1
Chloroethane	ND		mg/kg	0.0021	0.00048	1
Trichlorofluoromethane	ND		mg/kg	0.0042	0.00073	1
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00025	1
Carbon disulfide	ND		mg/kg	0.010	0.0048	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0042	0.00073	1
Methylene chloride	ND		mg/kg	0.0053	0.0024	1
Acetone	0.031		mg/kg	0.026	0.010	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0016	0.00014	1
Methyl Acetate	ND		mg/kg	0.0042	0.0010	1
Methyl tert butyl ether	ND		mg/kg	0.0021	0.00021	1
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00015	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014	1
Cyclohexane	0.00092	J	mg/kg	0.010	0.00057	1
Bromochloromethane	ND		mg/kg	0.0021	0.00022	1
Chloroform	ND		mg/kg	0.0016	0.00015	1
Carbon tetrachloride	ND		mg/kg	0.0010	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.00053	0.00018	1
2-Butanone	0.0053	J	mg/kg	0.010	0.0023	1
Benzene	0.00030	J	mg/kg	0.00053	0.00018	1
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00027	1
Methyl cyclohexane	0.00093	J	mg/kg	0.0042	0.00064	1
Trichloroethene	ND		mg/kg	0.00053	0.00014	1
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00013	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-15
 Client ID: SB-214 (4-4.5)
 Sample Location: PHILA., PA

Date Collected: 03/17/22 10:20
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00053	0.00012	1
1,4-Dioxane	ND		mg/kg	0.084	0.037	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00053	0.00017	1
Toluene	ND		mg/kg	0.0010	0.00057	1
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0014	1
Tetrachloroethene	ND		mg/kg	0.00053	0.00021	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00029	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00053	0.00017	1
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00028	1
Dibromochloromethane	ND		mg/kg	0.0010	0.00015	1
1,2-Dibromoethane	ND		mg/kg	0.00053	0.00031	1
2-Hexanone	ND		mg/kg	0.010	0.0012	1
Chlorobenzene	ND		mg/kg	0.00053	0.00013	1
Ethylbenzene	ND		mg/kg	0.0010	0.00015	1
p/m-Xylene	ND		mg/kg	0.0021	0.00059	1
o-Xylene	ND		mg/kg	0.0010	0.00031	1
Xylenes, Total	ND		mg/kg	0.0010	0.00031	1
Styrene	ND		mg/kg	0.0010	0.00021	1
Bromoform	ND		mg/kg	0.0042	0.00026	1
Isopropylbenzene	ND		mg/kg	0.0010	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00053	0.00018	1
1,3,5-Trimethylbenzene	0.00021	J	mg/kg	0.0021	0.00020	1
1,2,4-Trimethylbenzene	0.00046	J	mg/kg	0.0021	0.00035	1
1,3-Dichlorobenzene	ND		mg/kg	0.0021	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0021	0.00018	1
1,2-Dichlorobenzene	ND		mg/kg	0.0021	0.00015	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0032	0.0010	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0021	0.00029	1
Naphthalene	0.052		mg/kg	0.0042	0.00069	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0021	0.00034	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-15
Client ID: SB-214 (4-4.5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:20
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.0501	J	mg/kg	1
Acenaphthene	0.00540	NJ	mg/kg	1
Fluorene	0.00259	NJ	mg/kg	1
Unknown Aromatic	0.00967	J	mg/kg	1
Unknown	0.00277	J	mg/kg	1
Unknown Aromatic	0.0138	J	mg/kg	1
Dibenzofuran	0.00277	NJ	mg/kg	1
Unknown Naphthalene	0.00267	J	mg/kg	1
Unknown Naphthalene	0.00346	J	mg/kg	1
Unknown	0.00361	J	mg/kg	1
Cyclotrisiloxane, Hexamethyl-	0.00338	NJ	mg/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-16
Client ID: SB-215 (4.5-5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 14:24
Analyst: KJD
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	1.0	0.091	1
Chloromethane	ND		mg/kg	0.40	0.093	1
Vinyl chloride	ND		mg/kg	0.10	0.033	1
Bromomethane	ND		mg/kg	0.20	0.058	1
Chloroethane	ND		mg/kg	0.20	0.045	1
Trichlorofluoromethane	ND		mg/kg	0.40	0.069	1
1,1-Dichloroethene	ND		mg/kg	0.10	0.024	1
Carbon disulfide	ND		mg/kg	1.0	0.45	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.40	0.069	1
Methylene chloride	ND		mg/kg	0.50	0.23	1
Acetone	ND		mg/kg	1.0	0.48	1
trans-1,2-Dichloroethene	ND		mg/kg	0.15	0.014	1
Methyl Acetate	0.32	J	mg/kg	0.40	0.095	1
Methyl tert butyl ether	ND		mg/kg	0.20	0.020	1
1,1-Dichloroethane	ND		mg/kg	0.10	0.014	1
cis-1,2-Dichloroethene	ND		mg/kg	0.10	0.017	1
1,2-Dichloroethene, Total	ND		mg/kg	0.10	0.014	1
Cyclohexane	0.48	J	mg/kg	1.0	0.054	1
Bromochloromethane	ND		mg/kg	0.20	0.020	1
Chloroform	ND		mg/kg	0.15	0.014	1
Carbon tetrachloride	ND		mg/kg	0.10	0.023	1
1,1,1-Trichloroethane	ND		mg/kg	0.050	0.017	1
2-Butanone	ND		mg/kg	1.0	0.22	1
Benzene	0.12		mg/kg	0.050	0.016	1
1,2-Dichloroethane	ND		mg/kg	0.10	0.026	1
Methyl cyclohexane	0.85		mg/kg	0.40	0.060	1
Trichloroethene	ND		mg/kg	0.050	0.014	1
1,2-Dichloropropane	ND		mg/kg	0.10	0.012	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-16
Client ID: SB-215 (4.5-5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.050	0.011	1
1,4-Dioxane	ND		mg/kg	8.0	3.5	1
cis-1,3-Dichloropropene	ND		mg/kg	0.050	0.016	1
Toluene	0.98		mg/kg	0.10	0.054	1
4-Methyl-2-pentanone	ND		mg/kg	1.0	0.13	1
Tetrachloroethene	ND		mg/kg	0.050	0.020	1
trans-1,3-Dichloropropene	ND		mg/kg	0.10	0.027	1
1,3-Dichloropropene, Total	ND		mg/kg	0.050	0.016	1
1,1,2-Trichloroethane	ND		mg/kg	0.10	0.027	1
Dibromochloromethane	ND		mg/kg	0.10	0.014	1
1,2-Dibromoethane	ND		mg/kg	0.050	0.029	1
2-Hexanone	ND		mg/kg	1.0	0.12	1
Chlorobenzene	ND		mg/kg	0.050	0.013	1
Ethylbenzene	0.31		mg/kg	0.10	0.014	1
p/m-Xylene	2.0		mg/kg	0.20	0.056	1
o-Xylene	1.9		mg/kg	0.10	0.029	1
Xylenes, Total	3.9		mg/kg	0.10	0.029	1
Styrene	0.024	J	mg/kg	0.10	0.020	1
Bromoform	ND		mg/kg	0.40	0.024	1
Isopropylbenzene	0.14		mg/kg	0.10	0.011	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.050	0.016	1
1,3,5-Trimethylbenzene	3.6		mg/kg	0.20	0.019	1
1,2,4-Trimethylbenzene	3.3		mg/kg	0.20	0.033	1
1,3-Dichlorobenzene	ND		mg/kg	0.20	0.015	1
1,4-Dichlorobenzene	ND		mg/kg	0.20	0.017	1
1,2-Dichlorobenzene	ND		mg/kg	0.20	0.014	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.30	0.10	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.20	0.027	1
Naphthalene	38.	E	mg/kg	0.40	0.065	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.20	0.032	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-16
Client ID: SB-215 (4.5-5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	52.8	J	mg/kg			1
Unknown Aromatic	2.83	J	mg/kg			1
Benzene, 1-ethenyl-2-methyl-	2.52	NJ	mg/kg			1
Acenaphthene	5.44	NJ	mg/kg			1
Unknown Naphthalene	5.31	J	mg/kg			1
Unknown Aromatic	10.3	J	mg/kg			1
Unknown Aromatic	13.5	J	mg/kg			1
Unknown Benzene	2.82	J	mg/kg			1
Unknown Benzene	2.89	J	mg/kg			1
Unknown Organic Acid	3.82	J	mg/kg			1
Unknown	3.37	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	112		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-16
Client ID: SB-215 (4.5-5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/30/22 18:52
Analyst: KJD
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.016	0.0015	1
Chloromethane	ND		mg/kg	0.0064	0.0015	1
Vinyl chloride	ND		mg/kg	0.0016	0.00054	1
Bromomethane	ND		mg/kg	0.0032	0.00093	1
Chloroethane	ND		mg/kg	0.0032	0.00073	1
Trichlorofluoromethane	ND		mg/kg	0.0064	0.0011	1
1,1-Dichloroethene	ND		mg/kg	0.0016	0.00038	1
Carbon disulfide	0.010	J	mg/kg	0.016	0.0073	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0064	0.0011	1
Methylene chloride	ND		mg/kg	0.0080	0.0037	1
Acetone	0.020	J	mg/kg	0.040	0.016	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0024	0.00022	1
Methyl Acetate	ND		mg/kg	0.0064	0.0015	1
Methyl tert butyl ether	0.00065	J	mg/kg	0.0032	0.00032	1
1,1-Dichloroethane	ND		mg/kg	0.0016	0.00023	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0016	0.00028	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0016	0.00022	1
Cyclohexane	0.052		mg/kg	0.016	0.00088	1
Bromochloromethane	ND		mg/kg	0.0032	0.00033	1
Chloroform	ND		mg/kg	0.0024	0.00022	1
Carbon tetrachloride	ND		mg/kg	0.0016	0.00037	1
1,1,1-Trichloroethane	ND		mg/kg	0.00080	0.00027	1
2-Butanone	ND		mg/kg	0.016	0.0036	1
Benzene	0.014		mg/kg	0.00080	0.00027	1
1,2-Dichloroethane	0.00043	J	mg/kg	0.0016	0.00041	1
Methyl cyclohexane	0.042		mg/kg	0.0064	0.00097	1
Trichloroethene	ND		mg/kg	0.00080	0.00022	1
1,2-Dichloropropane	ND		mg/kg	0.0016	0.00020	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-16
Client ID: SB-215 (4.5-5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00080	0.00018	1
1,4-Dioxane	ND		mg/kg	0.13	0.056	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00080	0.00025	1
Toluene	0.16		mg/kg	0.0016	0.00087	1
4-Methyl-2-pentanone	ND		mg/kg	0.016	0.0020	1
Tetrachloroethene	ND		mg/kg	0.00080	0.00032	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0016	0.00044	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00080	0.00025	1
1,1,2-Trichloroethane	ND		mg/kg	0.0016	0.00043	1
Dibromochloromethane	ND		mg/kg	0.0016	0.00022	1
1,2-Dibromoethane	ND		mg/kg	0.00080	0.00047	1
2-Hexanone	ND		mg/kg	0.016	0.0019	1
Chlorobenzene	ND		mg/kg	0.00080	0.00020	1
Ethylbenzene	0.038		mg/kg	0.0016	0.00023	1
p/m-Xylene	0.27		mg/kg	0.0032	0.00090	1
o-Xylene	0.26		mg/kg	0.0016	0.00047	1
Xylenes, Total	0.53		mg/kg	0.0016	0.00047	1
Styrene	0.0011	J	mg/kg	0.0016	0.00032	1
Bromoform	ND		mg/kg	0.0064	0.00040	1
Isopropylbenzene	0.024		mg/kg	0.0016	0.00018	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00080	0.00027	1
1,3,5-Trimethylbenzene	0.51	E	mg/kg	0.0032	0.00031	1
1,2,4-Trimethylbenzene	0.46		mg/kg	0.0032	0.00054	1
1,3-Dichlorobenzene	ND		mg/kg	0.0032	0.00024	1
1,4-Dichlorobenzene	ND		mg/kg	0.0032	0.00028	1
1,2-Dichlorobenzene	ND		mg/kg	0.0032	0.00023	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0048	0.0016	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0032	0.00044	1
Naphthalene	2.0	E	mg/kg	0.0064	0.0010	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0032	0.00052	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-16
Client ID: SB-215 (4.5-5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.334	J	mg/kg	1
Cyclopentane, Methyl-	0.0737	NJ	mg/kg	1
Unknown	0.0662	J	mg/kg	1
Pentane	0.0181	NJ	mg/kg	1
Unknown Benzene	0.0185	J	mg/kg	1
Unknown Aromatic	0.0185	J	mg/kg	1
Indane	0.0198	NJ	mg/kg	1
Butane, 2-Methyl-	0.0585	NJ	mg/kg	1
Unknown	0.0192	J	mg/kg	1
Pentane, 3-methyl-	0.0199	NJ	mg/kg	1
Unknown Benzene	0.0217	J	mg/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	150	Q	70-130
Dibromofluoromethane	70		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-16 R
Client ID: SB-215 (4.5-5)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/31/22 10:39
Analyst: KJD
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.017	0.0015	1
Chloromethane	ND		mg/kg	0.0067	0.0016	1
Vinyl chloride	ND		mg/kg	0.0017	0.00056	1
Bromomethane	ND		mg/kg	0.0034	0.00098	1
Chloroethane	ND		mg/kg	0.0034	0.00076	1
Trichlorofluoromethane	ND		mg/kg	0.0067	0.0012	1
1,1-Dichloroethene	ND		mg/kg	0.0017	0.00040	1
Carbon disulfide	ND		mg/kg	0.017	0.0076	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0067	0.0012	1
Methylene chloride	ND		mg/kg	0.0084	0.0038	1
Acetone	0.018	J	mg/kg	0.042	0.017	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0025	0.00023	1
Methyl Acetate	ND		mg/kg	0.0067	0.0016	1
Methyl tert butyl ether	0.00043	J	mg/kg	0.0034	0.00034	1
1,1-Dichloroethane	ND		mg/kg	0.0017	0.00024	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00029	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0017	0.00023	1
Cyclohexane	0.047		mg/kg	0.017	0.00091	1
Bromochloromethane	ND		mg/kg	0.0034	0.00034	1
Chloroform	ND		mg/kg	0.0025	0.00024	1
Carbon tetrachloride	ND		mg/kg	0.0017	0.00039	1
1,1,1-Trichloroethane	ND		mg/kg	0.00084	0.00028	1
2-Butanone	ND		mg/kg	0.017	0.0037	1
Benzene	0.015		mg/kg	0.00084	0.00028	1
1,2-Dichloroethane	0.00044	J	mg/kg	0.0017	0.00043	1
Methyl cyclohexane	0.034		mg/kg	0.0067	0.0010	1
Trichloroethene	ND		mg/kg	0.00084	0.00023	1
1,2-Dichloropropane	ND		mg/kg	0.0017	0.00021	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-16 R

Date Collected: 03/17/22 10:30

Client ID: SB-215 (4.5-5)

Date Received: 03/17/22

Sample Location: PHILA., PA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00084	0.00018	1
1,4-Dioxane	ND		mg/kg	0.13	0.059	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00084	0.00026	1
Toluene	0.19		mg/kg	0.0017	0.00091	1
4-Methyl-2-pentanone	ND		mg/kg	0.017	0.0021	1
Tetrachloroethene	ND		mg/kg	0.00084	0.00033	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0017	0.00046	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00084	0.00026	1
1,1,2-Trichloroethane	ND		mg/kg	0.0017	0.00045	1
Dibromochloromethane	ND		mg/kg	0.0017	0.00024	1
1,2-Dibromoethane	ND		mg/kg	0.00084	0.00049	1
2-Hexanone	ND		mg/kg	0.017	0.0020	1
Chlorobenzene	ND		mg/kg	0.00084	0.00021	1
Ethylbenzene	0.039		mg/kg	0.0017	0.00024	1
p/m-Xylene	0.30		mg/kg	0.0034	0.00094	1
o-Xylene	0.30		mg/kg	0.0017	0.00049	1
Xylenes, Total	0.60		mg/kg	0.0017	0.00049	1
Styrene	0.00092	J	mg/kg	0.0017	0.00033	1
Bromoform	ND		mg/kg	0.0067	0.00041	1
Isopropylbenzene	0.020		mg/kg	0.0017	0.00018	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00084	0.00028	1
1,3,5-Trimethylbenzene	0.53	E	mg/kg	0.0034	0.00032	1
1,2,4-Trimethylbenzene	0.48		mg/kg	0.0034	0.00056	1
1,3-Dichlorobenzene	ND		mg/kg	0.0034	0.00025	1
1,4-Dichlorobenzene	ND		mg/kg	0.0034	0.00029	1
1,2-Dichlorobenzene	ND		mg/kg	0.0034	0.00024	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0050	0.0017	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0034	0.00046	1
Naphthalene	1.9	E	mg/kg	0.0067	0.0011	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0034	0.00054	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-16 R
 Client ID: SB-215 (4.5-5)
 Sample Location: PHILA., PA

Date Collected: 03/17/22 10:30
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	2.45	J	mg/kg	1
Unknown Aromatic	0.179	J	mg/kg	1
Benzene, 1-ethenyl-3-ethyl-	0.136	NJ	mg/kg	1
Unknown Aromatic	0.166	J	mg/kg	1
Unknown Benzene	0.300	J	mg/kg	1
Indane	0.262	NJ	mg/kg	1
Unknown Benzene	0.224	J	mg/kg	1
Unknown Benzene	0.330	J	mg/kg	1
Unknown Benzene	0.140	J	mg/kg	1
Unknown Benzene	0.512	J	mg/kg	1
Unknown Benzene	0.197	J	mg/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	129		70-130
4-Bromofluorobenzene	149	Q	70-130
Dibromofluoromethane	76		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-17
Client ID: SB-216 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:40
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 14:48
Analyst: KJD
Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.96	0.088	1
Chloromethane	ND		mg/kg	0.39	0.090	1
Vinyl chloride	ND		mg/kg	0.096	0.032	1
Bromomethane	ND		mg/kg	0.19	0.056	1
Chloroethane	ND		mg/kg	0.19	0.044	1
Trichlorofluoromethane	ND		mg/kg	0.39	0.067	1
1,1-Dichloroethene	ND		mg/kg	0.096	0.023	1
Carbon disulfide	ND		mg/kg	0.96	0.44	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.39	0.067	1
Methylene chloride	ND		mg/kg	0.48	0.22	1
Acetone	ND		mg/kg	0.96	0.46	1
trans-1,2-Dichloroethene	ND		mg/kg	0.14	0.013	1
Methyl Acetate	ND		mg/kg	0.39	0.092	1
Methyl tert butyl ether	ND		mg/kg	0.19	0.019	1
1,1-Dichloroethane	ND		mg/kg	0.096	0.014	1
cis-1,2-Dichloroethene	ND		mg/kg	0.096	0.017	1
1,2-Dichloroethene, Total	ND		mg/kg	0.096	0.013	1
Cyclohexane	0.56	J	mg/kg	0.96	0.052	1
Bromochloromethane	ND		mg/kg	0.19	0.020	1
Chloroform	ND		mg/kg	0.14	0.014	1
Carbon tetrachloride	ND		mg/kg	0.096	0.022	1
1,1,1-Trichloroethane	ND		mg/kg	0.048	0.016	1
2-Butanone	ND		mg/kg	0.96	0.21	1
Benzene	0.27		mg/kg	0.048	0.016	1
1,2-Dichloroethane	0.057	J	mg/kg	0.096	0.025	1
Methyl cyclohexane	0.58		mg/kg	0.39	0.058	1
Trichloroethene	ND		mg/kg	0.048	0.013	1
1,2-Dichloropropane	ND		mg/kg	0.096	0.012	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-17
Client ID: SB-216 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:40
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.048	0.010	1
1,4-Dioxane	ND		mg/kg	7.7	3.4	1
cis-1,3-Dichloropropene	ND		mg/kg	0.048	0.015	1
Toluene	1.2		mg/kg	0.096	0.052	1
4-Methyl-2-pentanone	ND		mg/kg	0.96	0.12	1
Tetrachloroethene	ND		mg/kg	0.048	0.019	1
trans-1,3-Dichloropropene	ND		mg/kg	0.096	0.026	1
1,3-Dichloropropene, Total	ND		mg/kg	0.048	0.015	1
1,1,2-Trichloroethane	ND		mg/kg	0.096	0.026	1
Dibromochloromethane	ND		mg/kg	0.096	0.014	1
1,2-Dibromoethane	ND		mg/kg	0.048	0.028	1
2-Hexanone	ND		mg/kg	0.96	0.11	1
Chlorobenzene	ND		mg/kg	0.048	0.012	1
Ethylbenzene	0.21		mg/kg	0.096	0.014	1
p/m-Xylene	2.4		mg/kg	0.19	0.054	1
o-Xylene	2.3		mg/kg	0.096	0.028	1
Xylenes, Total	4.7		mg/kg	0.096	0.028	1
Styrene	0.022	J	mg/kg	0.096	0.019	1
Bromoform	ND		mg/kg	0.39	0.024	1
Isopropylbenzene	0.050	J	mg/kg	0.096	0.010	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.048	0.016	1
1,3,5-Trimethylbenzene	3.6		mg/kg	0.19	0.019	1
1,2,4-Trimethylbenzene	1.8		mg/kg	0.19	0.032	1
1,3-Dichlorobenzene	ND		mg/kg	0.19	0.014	1
1,4-Dichlorobenzene	ND		mg/kg	0.19	0.016	1
1,2-Dichlorobenzene	ND		mg/kg	0.19	0.014	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.29	0.096	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.19	0.026	1
Naphthalene	0.94		mg/kg	0.39	0.063	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.19	0.031	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-17
Client ID: SB-216 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:40
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	48.9	J	mg/kg	1
Unknown Aromatic	6.67	J	mg/kg	1
Unknown	2.92	J	mg/kg	1
Unknown Aromatic	3.36	J	mg/kg	1
Unknown Aromatic	7.02	J	mg/kg	1
Unknown	2.88	J	mg/kg	1
Unknown	7.16	J	mg/kg	1
Unknown Aromatic	4.81	J	mg/kg	1
Unknown Aromatic	6.00	J	mg/kg	1
Unknown Naphthalene	3.37	J	mg/kg	1
Unknown Aromatic	4.75	J	mg/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	112		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-17
Client ID: SB-216 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:40
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/29/22 21:39
Analyst: KJD
Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.014	0.0013	1
Chloromethane	ND		mg/kg	0.0056	0.0013	1
Vinyl chloride	ND		mg/kg	0.0014	0.00047	1
Bromomethane	ND		mg/kg	0.0028	0.00081	1
Chloroethane	ND		mg/kg	0.0028	0.00063	1
Trichlorofluoromethane	ND		mg/kg	0.0056	0.00097	1
1,1-Dichloroethene	ND		mg/kg	0.0014	0.00033	1
Carbon disulfide	ND		mg/kg	0.014	0.0064	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0056	0.00097	1
Methylene chloride	ND		mg/kg	0.0070	0.0032	1
Acetone	ND		mg/kg	0.035	0.014	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0021	0.00019	1
Methyl Acetate	ND		mg/kg	0.0056	0.0013	1
Methyl tert butyl ether	ND		mg/kg	0.0028	0.00028	1
1,1-Dichloroethane	ND		mg/kg	0.0014	0.00020	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00024	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0014	0.00019	1
Cyclohexane	0.077		mg/kg	0.014	0.00076	1
Bromochloromethane	ND		mg/kg	0.0028	0.00029	1
Chloroform	ND		mg/kg	0.0021	0.00020	1
Carbon tetrachloride	ND		mg/kg	0.0014	0.00032	1
1,1,1-Trichloroethane	ND		mg/kg	0.00070	0.00023	1
2-Butanone	ND		mg/kg	0.014	0.0031	1
Benzene	0.0054		mg/kg	0.00070	0.00023	1
1,2-Dichloroethane	ND		mg/kg	0.0014	0.00036	1
Methyl cyclohexane	0.052		mg/kg	0.0056	0.00084	1
Trichloroethene	ND		mg/kg	0.00070	0.00019	1
1,2-Dichloropropane	ND		mg/kg	0.0014	0.00017	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-17
 Client ID: SB-216 (3.5-4)
 Sample Location: PHILA., PA

Date Collected: 03/17/22 10:40
 Date Received: 03/17/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00070	0.00015	1
1,4-Dioxane	ND		mg/kg	0.11	0.049	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00070	0.00022	1
Toluene	0.024		mg/kg	0.0014	0.00076	1
4-Methyl-2-pentanone	ND		mg/kg	0.014	0.0018	1
Tetrachloroethene	ND		mg/kg	0.00070	0.00027	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0014	0.00038	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00070	0.00022	1
1,1,2-Trichloroethane	ND		mg/kg	0.0014	0.00037	1
Dibromochloromethane	ND		mg/kg	0.0014	0.00020	1
1,2-Dibromoethane	ND		mg/kg	0.00070	0.00041	1
2-Hexanone	ND		mg/kg	0.014	0.0016	1
Chlorobenzene	ND		mg/kg	0.00070	0.00018	1
Ethylbenzene	0.0058		mg/kg	0.0014	0.00020	1
p/m-Xylene	0.13		mg/kg	0.0028	0.00078	1
o-Xylene	0.25		mg/kg	0.0014	0.00041	1
Xylenes, Total	0.38		mg/kg	0.0014	0.00041	1
Styrene	ND		mg/kg	0.0014	0.00027	1
Bromoform	ND		mg/kg	0.0056	0.00034	1
Isopropylbenzene	0.0044		mg/kg	0.0014	0.00015	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00070	0.00023	1
1,3,5-Trimethylbenzene	0.43	E	mg/kg	0.0028	0.00027	1
1,2,4-Trimethylbenzene	0.20		mg/kg	0.0028	0.00047	1
1,3-Dichlorobenzene	ND		mg/kg	0.0028	0.00021	1
1,4-Dichlorobenzene	ND		mg/kg	0.0028	0.00024	1
1,2-Dichlorobenzene	ND		mg/kg	0.0028	0.00020	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0042	0.0014	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0028	0.00038	1
Naphthalene	0.024		mg/kg	0.0056	0.00091	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0028	0.00045	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-17
Client ID: SB-216 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 10:40
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	1.53	J	mg/kg			1
Unknown Benzene	0.192	J	mg/kg			1
Unknown Benzene	0.194	J	mg/kg			1
Unknown Aromatic	0.131	J	mg/kg			1
Unknown	0.258	J	mg/kg			1
Unknown Benzene	0.105	J	mg/kg			1
Unknown Benzene	0.150	J	mg/kg			1
Unknown	0.107	J	mg/kg			1
Unknown Naphthalene	0.122	J	mg/kg			1
Unknown Aromatic	0.133	J	mg/kg			1
Unknown Aromatic	0.140	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	75		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-18 **D**
Client ID: SB-217 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/17/22 11:25
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/29/22 22:25
Analyst: KJD
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	4.0	0.37	5
Chloromethane	ND		mg/kg	1.6	0.37	5
Vinyl chloride	ND		mg/kg	0.40	0.13	5
Bromomethane	ND		mg/kg	0.80	0.23	5
Chloroethane	ND		mg/kg	0.80	0.18	5
Trichlorofluoromethane	ND		mg/kg	1.6	0.28	5
1,1-Dichloroethene	ND		mg/kg	0.40	0.095	5
Carbon disulfide	ND		mg/kg	4.0	1.8	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	1.6	0.28	5
Methylene chloride	ND		mg/kg	2.0	0.92	5
Acetone	ND		mg/kg	4.0	1.9	5
trans-1,2-Dichloroethene	ND		mg/kg	0.60	0.055	5
Methyl Acetate	ND		mg/kg	1.6	0.38	5
Methyl tert butyl ether	ND		mg/kg	0.80	0.080	5
1,1-Dichloroethane	ND		mg/kg	0.40	0.058	5
cis-1,2-Dichloroethene	ND		mg/kg	0.40	0.070	5
1,2-Dichloroethene, Total	ND		mg/kg	0.40	0.055	5
Cyclohexane	33.		mg/kg	4.0	0.22	5
Bromochloromethane	ND		mg/kg	0.80	0.082	5
Chloroform	ND		mg/kg	0.60	0.056	5
Carbon tetrachloride	ND		mg/kg	0.40	0.092	5
1,1,1-Trichloroethane	ND		mg/kg	0.20	0.067	5
2-Butanone	ND		mg/kg	4.0	0.89	5
Benzene	1.0		mg/kg	0.20	0.066	5
1,2-Dichloroethane	ND		mg/kg	0.40	0.10	5
Methyl cyclohexane	110		mg/kg	1.6	0.24	5
Trichloroethene	ND		mg/kg	0.20	0.055	5
1,2-Dichloropropane	ND		mg/kg	0.40	0.050	5

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-18 D

Date Collected: 03/17/22 11:25

Client ID: SB-217 (8.5-9)

Date Received: 03/17/22

Sample Location: PHILA., PA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.20	0.044	5
1,4-Dioxane	ND		mg/kg	32	14.	5
cis-1,3-Dichloropropene	ND		mg/kg	0.20	0.063	5
Toluene	0.83		mg/kg	0.40	0.22	5
4-Methyl-2-pentanone	ND		mg/kg	4.0	0.51	5
Tetrachloroethene	ND		mg/kg	0.20	0.078	5
trans-1,3-Dichloropropene	ND		mg/kg	0.40	0.11	5
1,3-Dichloropropene, Total	ND		mg/kg	0.20	0.063	5
1,1,2-Trichloroethane	ND		mg/kg	0.40	0.11	5
Dibromochloromethane	ND		mg/kg	0.40	0.056	5
1,2-Dibromoethane	ND		mg/kg	0.20	0.12	5
2-Hexanone	ND		mg/kg	4.0	0.47	5
Chlorobenzene	ND		mg/kg	0.20	0.051	5
Ethylbenzene	0.60		mg/kg	0.40	0.056	5
p/m-Xylene	2.3		mg/kg	0.80	0.22	5
o-Xylene	0.48		mg/kg	0.40	0.12	5
Xylenes, Total	2.8		mg/kg	0.40	0.12	5
Styrene	ND		mg/kg	0.40	0.078	5
Bromoform	ND		mg/kg	1.6	0.098	5
Isopropylbenzene	14.		mg/kg	0.40	0.044	5
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.20	0.066	5
1,3,5-Trimethylbenzene	1.0		mg/kg	0.80	0.077	5
1,2,4-Trimethylbenzene	3.6		mg/kg	0.80	0.13	5
1,3-Dichlorobenzene	ND		mg/kg	0.80	0.059	5
1,4-Dichlorobenzene	ND		mg/kg	0.80	0.068	5
1,2-Dichlorobenzene	ND		mg/kg	0.80	0.058	5
1,2-Dibromo-3-chloropropane	ND		mg/kg	1.2	0.40	5
1,2,4-Trichlorobenzene	ND		mg/kg	0.80	0.11	5
Naphthalene	1.9		mg/kg	1.6	0.26	5
1,2,3-Trichlorobenzene	ND		mg/kg	0.80	0.13	5

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-18 **D**
Client ID: SB-217 (8.5-9)
Sample Location: PHILA., PA

Date Collected: 03/17/22 11:25
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	414.	J	mg/kg	5
Hexane, 3-methyl-	38.3	NJ	mg/kg	5
Unknown Aromatic	43.5	J	mg/kg	5
Unknown Benzene	24.3	J	mg/kg	5
Benzene, 1,2-diethyl-	29.1	NJ	mg/kg	5
Benzene, (2-methyl-1-butenyl)-	24.1	NJ	mg/kg	5
Heptane, 3-methyl-	63.3	NJ	mg/kg	5
Unknown Benzene	44.0	J	mg/kg	5
Unknown Cyclohexane	54.0	J	mg/kg	5
Unknown Alkane	53.4	J	mg/kg	5
Indan, 1-methyl-	39.9	NJ	mg/kg	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	155	Q	70-130
Dibromofluoromethane	72		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-19
Client ID: DUP-1
Sample Location: PHILA., PA

Date Collected: 03/17/22 00:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/22 15:35
Analyst: KJD
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.89	0.082	1
Chloromethane	ND		mg/kg	0.36	0.083	1
Vinyl chloride	ND		mg/kg	0.089	0.030	1
Bromomethane	ND		mg/kg	0.18	0.052	1
Chloroethane	ND		mg/kg	0.18	0.040	1
Trichlorofluoromethane	ND		mg/kg	0.36	0.062	1
1,1-Dichloroethene	ND		mg/kg	0.089	0.021	1
Carbon disulfide	ND		mg/kg	0.89	0.41	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.36	0.062	1
Methylene chloride	ND		mg/kg	0.45	0.20	1
Acetone	ND		mg/kg	0.89	0.43	1
trans-1,2-Dichloroethene	ND		mg/kg	0.13	0.012	1
Methyl Acetate	ND		mg/kg	0.36	0.085	1
Methyl tert butyl ether	ND		mg/kg	0.18	0.018	1
1,1-Dichloroethane	ND		mg/kg	0.089	0.013	1
cis-1,2-Dichloroethene	ND		mg/kg	0.089	0.016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.089	0.012	1
Cyclohexane	0.17	J	mg/kg	0.89	0.049	1
Bromochloromethane	ND		mg/kg	0.18	0.018	1
Chloroform	ND		mg/kg	0.13	0.012	1
Carbon tetrachloride	ND		mg/kg	0.089	0.020	1
1,1,1-Trichloroethane	ND		mg/kg	0.045	0.015	1
2-Butanone	ND		mg/kg	0.89	0.20	1
Benzene	0.21		mg/kg	0.045	0.015	1
1,2-Dichloroethane	ND		mg/kg	0.089	0.023	1
Methyl cyclohexane	0.21	J	mg/kg	0.36	0.054	1
Trichloroethene	ND		mg/kg	0.045	0.012	1
1,2-Dichloropropane	ND		mg/kg	0.089	0.011	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-19
Client ID: DUP-1
Sample Location: PHILA., PA

Date Collected: 03/17/22 00:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.045	0.0097	1
1,4-Dioxane	ND		mg/kg	7.2	3.1	1
cis-1,3-Dichloropropene	ND		mg/kg	0.045	0.014	1
Toluene	0.78		mg/kg	0.089	0.048	1
4-Methyl-2-pentanone	ND		mg/kg	0.89	0.11	1
Tetrachloroethene	ND		mg/kg	0.045	0.018	1
trans-1,3-Dichloropropene	ND		mg/kg	0.089	0.024	1
1,3-Dichloropropene, Total	ND		mg/kg	0.045	0.014	1
1,1,2-Trichloroethane	ND		mg/kg	0.089	0.024	1
Dibromochloromethane	ND		mg/kg	0.089	0.012	1
1,2-Dibromoethane	ND		mg/kg	0.045	0.026	1
2-Hexanone	ND		mg/kg	0.89	0.10	1
Chlorobenzene	ND		mg/kg	0.045	0.011	1
Ethylbenzene	0.17		mg/kg	0.089	0.013	1
p/m-Xylene	1.0		mg/kg	0.18	0.050	1
o-Xylene	0.84		mg/kg	0.089	0.026	1
Xylenes, Total	1.8		mg/kg	0.089	0.026	1
Styrene	0.059	J	mg/kg	0.089	0.018	1
Bromoform	ND		mg/kg	0.36	0.022	1
Isopropylbenzene	0.040	J	mg/kg	0.089	0.0097	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.045	0.015	1
1,3,5-Trimethylbenzene	0.71		mg/kg	0.18	0.017	1
1,2,4-Trimethylbenzene	0.92		mg/kg	0.18	0.030	1
1,3-Dichlorobenzene	ND		mg/kg	0.18	0.013	1
1,4-Dichlorobenzene	ND		mg/kg	0.18	0.015	1
1,2-Dichlorobenzene	ND		mg/kg	0.18	0.013	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.27	0.089	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.18	0.024	1
Naphthalene	35.	E	mg/kg	0.36	0.058	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.18	0.029	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-19
Client ID: DUP-1
Sample Location: PHILA., PA

Date Collected: 03/17/22 00:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	93.6	J	mg/kg			1
Unknown Biphenyl	3.99	J	mg/kg			1
Unknown Aromatic	14.2	J	mg/kg			1
Unknown Naphthalene	9.36	J	mg/kg			1
Unknown Naphthalene	5.36	J	mg/kg			1
Unknown Aromatic	4.70	J	mg/kg			1
Fluorene	5.65	NJ	mg/kg			1
Unknown Aromatic	24.5	J	mg/kg			1
Unknown Naphthalene	8.82	J	mg/kg			1
Dibenzofuran	7.53	NJ	mg/kg			1
Acenaphthene	9.51	NJ	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	113		70-130

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS**

Lab ID: L2213931-19

Date Collected: 03/17/22 00:00

Client ID: DUP-1

Date Received: 03/17/22

Sample Location: PHILA., PA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 03/29/22 23:34

Analyst: KJD

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.014	0.0013	1
Chloromethane	ND		mg/kg	0.0058	0.0014	1
Vinyl chloride	ND		mg/kg	0.0014	0.00048	1
Bromomethane	ND		mg/kg	0.0029	0.00084	1
Chloroethane	ND		mg/kg	0.0029	0.00066	1
Trichlorofluoromethane	ND		mg/kg	0.0058	0.0010	1
1,1-Dichloroethene	ND		mg/kg	0.0014	0.00034	1
Carbon disulfide	ND		mg/kg	0.014	0.0066	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0058	0.0010	1
Methylene chloride	ND		mg/kg	0.0072	0.0033	1
Acetone	0.060		mg/kg	0.036	0.014	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0022	0.00020	1
Methyl Acetate	ND		mg/kg	0.0058	0.0014	1
Methyl tert butyl ether	0.00046	J	mg/kg	0.0029	0.00029	1
1,1-Dichloroethane	ND		mg/kg	0.0014	0.00021	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0014	0.00025	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0014	0.00020	1
Cyclohexane	0.046		mg/kg	0.014	0.00079	1
Bromochloromethane	ND		mg/kg	0.0029	0.00030	1
Chloroform	ND		mg/kg	0.0022	0.00020	1
Carbon tetrachloride	ND		mg/kg	0.0014	0.00033	1
1,1,1-Trichloroethane	ND		mg/kg	0.00072	0.00024	1
2-Butanone	0.0066	J	mg/kg	0.014	0.0032	1
Benzene	0.019		mg/kg	0.00072	0.00024	1
1,2-Dichloroethane	ND		mg/kg	0.0014	0.00037	1
Methyl cyclohexane	0.040		mg/kg	0.0058	0.00087	1
Trichloroethene	ND		mg/kg	0.00072	0.00020	1
1,2-Dichloropropane	ND		mg/kg	0.0014	0.00018	1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-19**Date Collected:** 03/17/22 00:00**Client ID:** DUP-1**Date Received:** 03/17/22**Sample Location:** PHILA., PA**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00072	0.00016	1
1,4-Dioxane	ND		mg/kg	0.12	0.051	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00072	0.00023	1
Toluene	0.077		mg/kg	0.0014	0.00079	1
4-Methyl-2-pentanone	ND		mg/kg	0.014	0.0018	1
Tetrachloroethene	ND		mg/kg	0.00072	0.00028	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0014	0.00040	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00072	0.00023	1
1,1,2-Trichloroethane	ND		mg/kg	0.0014	0.00039	1
Dibromochloromethane	ND		mg/kg	0.0014	0.00020	1
1,2-Dibromoethane	ND		mg/kg	0.00072	0.00042	1
2-Hexanone	ND		mg/kg	0.014	0.0017	1
Chlorobenzene	ND		mg/kg	0.00072	0.00018	1
Ethylbenzene	0.027		mg/kg	0.0014	0.00020	1
p/m-Xylene	0.16		mg/kg	0.0029	0.00081	1
o-Xylene	0.18		mg/kg	0.0014	0.00042	1
Xylenes, Total	0.34		mg/kg	0.0014	0.00042	1
Styrene	0.0050		mg/kg	0.0014	0.00028	1
Bromoform	ND		mg/kg	0.0058	0.00036	1
Isopropylbenzene	0.011		mg/kg	0.0014	0.00016	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00072	0.00024	1
1,3,5-Trimethylbenzene	0.19		mg/kg	0.0029	0.00028	1
1,2,4-Trimethylbenzene	0.20		mg/kg	0.0029	0.00048	1
1,3-Dichlorobenzene	ND		mg/kg	0.0029	0.00021	1
1,4-Dichlorobenzene	ND		mg/kg	0.0029	0.00025	1
1,2-Dichlorobenzene	ND		mg/kg	0.0029	0.00021	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0043	0.0014	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0029	0.00039	1
Naphthalene	3.4	E	mg/kg	0.0058	0.00094	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0029	0.00047	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-19
Client ID: DUP-1
Sample Location: PHILA., PA

Date Collected: 03/17/22 00:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	0.741	J	mg/kg			1
Unknown	0.166	J	mg/kg			1
Indane	0.0309	NJ	mg/kg			1
Unknown Naphthalene	0.0270	J	mg/kg			1
Unknown	0.0287	J	mg/kg			1
Unknown	0.276	J	mg/kg			1
Unknown Aromatic	0.0270	J	mg/kg			1
Unknown Aromatic	0.0349	J	mg/kg			1
Unknown Naphthalene	0.0472	J	mg/kg			1
Acenaphthene	0.0519	NJ	mg/kg			1
Unknown Naphthalene	0.0514	J	mg/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	75		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-20
Client ID: FIELD BLANK
Sample Location: PHILA., PA

Date Collected: 03/17/22 11:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/24/22 08:03
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-20
Client ID: FIELD BLANK
Sample Location: PHILA., PA

Date Collected: 03/17/22 11:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-20
Client ID: FIELD BLANK
Sample Location: PHILA., PA

Date Collected: 03/17/22 11:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-20
Client ID: FIELD BLANK
Sample Location: PHILA., PA

Date Collected: 03/17/22 11:35
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 03/24/22 08:03
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	104			70-130		
4-Bromofluorobenzene	99			70-130		

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-21
Client ID: TRIP BLANK
Sample Location: PHILA., PA

Date Collected: 03/17/22 00:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/24/22 07:39
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-21
Client ID: TRIP BLANK
Sample Location: PHILA., PA

Date Collected: 03/17/22 00:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-21
Client ID: TRIP BLANK
Sample Location: PHILA., PA

Date Collected: 03/17/22 00:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-21
Client ID: TRIP BLANK
Sample Location: PHILA., PA

Date Collected: 03/17/22 00:00
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 03/24/22 07:39
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	101			70-130		
4-Bromofluorobenzene	99			70-130		

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 03/24/22 07:15
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 20-21 Batch: WG1619571-5					
1,4-Dioxane	ND		ug/l	3.0	1.1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
4-Bromofluorobenzene	99		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/24/22 07:15
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20-21 Batch: WG1619572-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Cyclohexane	ND		ug/l	10	0.27
Bromochloromethane	ND		ug/l	2.5	0.15
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Methyl cyclohexane	ND		ug/l	10	0.40
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/24/22 07:15
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20-21 Batch: WG1619572-5					
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
Naphthalene	ND		ug/l	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/24/22 07:15
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20-21 Batch: WG1619572-5					

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/25/22 08:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-13,15 Batch: WG1620536-5					
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Chloromethane	ND		mg/kg	0.0040	0.00093
Vinyl chloride	ND		mg/kg	0.0010	0.00034
Bromomethane	ND		mg/kg	0.0020	0.00058
Chloroethane	ND		mg/kg	0.0020	0.00045
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024
Carbon disulfide	ND		mg/kg	0.010	0.0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069
Methylene chloride	ND		mg/kg	0.0050	0.0023
Acetone	ND		mg/kg	0.025	0.010
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Methyl Acetate	0.0027	J	mg/kg	0.0040	0.00095
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014
Cyclohexane	ND		mg/kg	0.010	0.00054
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Chloroform	ND		mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
2-Butanone	ND		mg/kg	0.010	0.0022
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Bromodichloromethane	ND		mg/kg	0.00050	0.00011

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/25/22 08:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-13,15 Batch: WG1620536-5					
1,4-Dioxane	ND		mg/kg	0.080	0.035
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
Toluene	ND		mg/kg	0.0010	0.00054
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
2-Hexanone	ND		mg/kg	0.010	0.0012
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Styrene	ND		mg/kg	0.0010	0.00020
Bromoform	ND		mg/kg	0.0040	0.00025
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
Naphthalene	ND		mg/kg	0.0040	0.00065
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/25/22 08:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,09-13,15 Batch: WG1620536-5					

Tentatively Identified Compounds

Total TIC Compounds	0.0236	J	mg/kg
Unknown	0.00201	J	mg/kg
Unknown	0.0185	J	mg/kg
Unknown	0.00312	J	mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/28/22 10:02
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-05 Batch: WG1620539-10					
Dichlorodifluoromethane	ND		mg/kg	0.50	0.046
Chloromethane	ND		mg/kg	0.20	0.047
Vinyl chloride	ND		mg/kg	0.050	0.017
Bromomethane	ND		mg/kg	0.10	0.029
Chloroethane	ND		mg/kg	0.10	0.023
Trichlorofluoromethane	ND		mg/kg	0.20	0.035
1,1-Dichloroethene	ND		mg/kg	0.050	0.012
Carbon disulfide	ND		mg/kg	0.50	0.23
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.20	0.035
Methylene chloride	ND		mg/kg	0.25	0.11
Acetone	ND		mg/kg	0.50	0.24
trans-1,2-Dichloroethene	ND		mg/kg	0.075	0.0068
Methyl Acetate	0.10	J	mg/kg	0.20	0.048
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
1,1-Dichloroethane	ND		mg/kg	0.050	0.0072
cis-1,2-Dichloroethene	ND		mg/kg	0.050	0.0088
1,2-Dichloroethene, Total	ND		mg/kg	0.050	0.0068
Cyclohexane	ND		mg/kg	0.50	0.027
Bromochloromethane	ND		mg/kg	0.10	0.010
Chloroform	ND		mg/kg	0.075	0.0070
Carbon tetrachloride	ND		mg/kg	0.050	0.012
1,1,1-Trichloroethane	ND		mg/kg	0.025	0.0084
2-Butanone	ND		mg/kg	0.50	0.11
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Methyl cyclohexane	ND		mg/kg	0.20	0.030
Trichloroethene	ND		mg/kg	0.025	0.0068
1,2-Dichloropropane	ND		mg/kg	0.050	0.0062
Bromodichloromethane	ND		mg/kg	0.025	0.0054

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/28/22 10:02
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-05 Batch: WG1620539-10					
1,4-Dioxane	ND		mg/kg	4.0	1.8
cis-1,3-Dichloropropene	ND		mg/kg	0.025	0.0079
Toluene	ND		mg/kg	0.050	0.027
4-Methyl-2-pentanone	ND		mg/kg	0.50	0.064
Tetrachloroethene	ND		mg/kg	0.025	0.0098
trans-1,3-Dichloropropene	ND		mg/kg	0.050	0.014
1,3-Dichloropropene, Total	ND		mg/kg	0.025	0.0079
1,1,2-Trichloroethane	ND		mg/kg	0.050	0.013
Dibromochloromethane	ND		mg/kg	0.050	0.0070
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
2-Hexanone	ND		mg/kg	0.50	0.059
Chlorobenzene	ND		mg/kg	0.025	0.0064
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Styrene	ND		mg/kg	0.050	0.0098
Bromoform	ND		mg/kg	0.20	0.012
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.025	0.0083
1,3,5-Trimethylbenzene	ND		mg/kg	0.10	0.0096
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	0.017
1,3-Dichlorobenzene	ND		mg/kg	0.10	0.0074
1,4-Dichlorobenzene	ND		mg/kg	0.10	0.0086
1,2-Dichlorobenzene	ND		mg/kg	0.10	0.0072
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.15	0.050
1,2,4-Trichlorobenzene	ND		mg/kg	0.10	0.014
Naphthalene	ND		mg/kg	0.20	0.032
1,2,3-Trichlorobenzene	ND		mg/kg	0.10	0.016

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/28/22 10:02
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-05 Batch: WG1620539-10					

Tentatively Identified Compounds

Total TIC Compounds	0.602	J	mg/kg
Unknown	0.124	J	mg/kg
1-Hexanol, 2-ethyl-	0.204	NJ	mg/kg
Cyclotrisiloxane, Hexamethyl-	0.156	NJ	mg/kg
Unknown	0.118	J	mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	112		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/25/22 08:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04,06,16-17,19 Batch: WG1620539-5					
Dichlorodifluoromethane	ND		mg/kg	0.50	0.046
Chloromethane	ND		mg/kg	0.20	0.047
Vinyl chloride	ND		mg/kg	0.050	0.017
Bromomethane	ND		mg/kg	0.10	0.029
Chloroethane	ND		mg/kg	0.10	0.023
Trichlorofluoromethane	ND		mg/kg	0.20	0.035
1,1-Dichloroethene	ND		mg/kg	0.050	0.012
Carbon disulfide	ND		mg/kg	0.50	0.23
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.20	0.035
Methylene chloride	ND		mg/kg	0.25	0.11
Acetone	ND		mg/kg	0.50	0.24
trans-1,2-Dichloroethene	ND		mg/kg	0.075	0.0068
Methyl Acetate	0.14	J	mg/kg	0.20	0.048
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
1,1-Dichloroethane	ND		mg/kg	0.050	0.0072
cis-1,2-Dichloroethene	ND		mg/kg	0.050	0.0088
1,2-Dichloroethene, Total	ND		mg/kg	0.050	0.0068
Cyclohexane	ND		mg/kg	0.50	0.027
Bromochloromethane	ND		mg/kg	0.10	0.010
Chloroform	ND		mg/kg	0.075	0.0070
Carbon tetrachloride	ND		mg/kg	0.050	0.012
1,1,1-Trichloroethane	ND		mg/kg	0.025	0.0084
2-Butanone	ND		mg/kg	0.50	0.11
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Methyl cyclohexane	ND		mg/kg	0.20	0.030
Trichloroethene	ND		mg/kg	0.025	0.0068
1,2-Dichloropropane	ND		mg/kg	0.050	0.0062
Bromodichloromethane	ND		mg/kg	0.025	0.0054

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/25/22 08:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04,06,16-17,19 Batch: WG1620539-5					
1,4-Dioxane	ND		mg/kg	4.0	1.8
cis-1,3-Dichloropropene	ND		mg/kg	0.025	0.0079
Toluene	ND		mg/kg	0.050	0.027
4-Methyl-2-pentanone	ND		mg/kg	0.50	0.064
Tetrachloroethene	ND		mg/kg	0.025	0.0098
trans-1,3-Dichloropropene	ND		mg/kg	0.050	0.014
1,3-Dichloropropene, Total	ND		mg/kg	0.025	0.0079
1,1,2-Trichloroethane	ND		mg/kg	0.050	0.013
Dibromochloromethane	ND		mg/kg	0.050	0.0070
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
2-Hexanone	ND		mg/kg	0.50	0.059
Chlorobenzene	ND		mg/kg	0.025	0.0064
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Styrene	ND		mg/kg	0.050	0.0098
Bromoform	ND		mg/kg	0.20	0.012
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.025	0.0083
1,3,5-Trimethylbenzene	ND		mg/kg	0.10	0.0096
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	0.017
1,3-Dichlorobenzene	ND		mg/kg	0.10	0.0074
1,4-Dichlorobenzene	ND		mg/kg	0.10	0.0086
1,2-Dichlorobenzene	ND		mg/kg	0.10	0.0072
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.15	0.050
1,2,4-Trichlorobenzene	ND		mg/kg	0.10	0.014
Naphthalene	ND		mg/kg	0.20	0.032
1,2,3-Trichlorobenzene	ND		mg/kg	0.10	0.016

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/25/22 08:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04,06,16-17,19 Batch: WG1620539-5					

Tentatively Identified Compounds

Total TIC Compounds	1.18	J	mg/kg
Unknown	0.100	J	mg/kg
1-Hexanol, 2-ethyl-	0.925	NJ	mg/kg
Unknown	0.156	J	mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/28/22 10:02
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1621094-5					
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Chloromethane	ND		mg/kg	0.0040	0.00093
Vinyl chloride	ND		mg/kg	0.0010	0.00034
Bromomethane	ND		mg/kg	0.0020	0.00058
Chloroethane	ND		mg/kg	0.0020	0.00045
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024
Carbon disulfide	ND		mg/kg	0.010	0.0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069
Methylene chloride	ND		mg/kg	0.0050	0.0023
Acetone	ND		mg/kg	0.025	0.010
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Methyl Acetate	0.0021	J	mg/kg	0.0040	0.00095
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014
Cyclohexane	ND		mg/kg	0.010	0.00054
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Chloroform	ND		mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
2-Butanone	ND		mg/kg	0.010	0.0022
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Bromodichloromethane	ND		mg/kg	0.00050	0.00011

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/28/22 10:02
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1621094-5					
1,4-Dioxane	ND		mg/kg	0.080	0.035
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
Toluene	ND		mg/kg	0.0010	0.00054
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
2-Hexanone	ND		mg/kg	0.010	0.0012
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Styrene	ND		mg/kg	0.0010	0.00020
Bromoform	ND		mg/kg	0.0040	0.00025
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
Naphthalene	ND		mg/kg	0.0040	0.00065
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/28/22 10:02
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1621094-5					

Tentatively Identified Compounds

Total TIC Compounds	0.0120	J	mg/kg
Unknown	0.00236	J	mg/kg
1-Hexanol, 2-ethyl-	0.00409	NJ	mg/kg
Cyclotrisiloxane, Hexamethyl-	0.00313	NJ	mg/kg
Unknown	0.00247	J	mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	112		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/29/22 18:36
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08,17,19 Batch: WG1621453-5					
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Chloromethane	ND		mg/kg	0.0040	0.00093
Vinyl chloride	ND		mg/kg	0.0010	0.00034
Bromomethane	ND		mg/kg	0.0020	0.00058
Chloroethane	ND		mg/kg	0.0020	0.00045
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024
Carbon disulfide	ND		mg/kg	0.010	0.0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069
Methylene chloride	ND		mg/kg	0.0050	0.0023
Acetone	ND		mg/kg	0.025	0.010
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Methyl Acetate	ND		mg/kg	0.0040	0.00095
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014
Cyclohexane	ND		mg/kg	0.010	0.00054
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Chloroform	ND		mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
2-Butanone	ND		mg/kg	0.010	0.0022
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Bromodichloromethane	ND		mg/kg	0.00050	0.00011

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/29/22 18:36
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08,17,19 Batch: WG1621453-5					
1,4-Dioxane	ND		mg/kg	0.080	0.035
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
Toluene	ND		mg/kg	0.0010	0.00054
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
2-Hexanone	ND		mg/kg	0.010	0.0012
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Styrene	ND		mg/kg	0.0010	0.00020
Bromoform	ND		mg/kg	0.0040	0.00025
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/29/22 18:36
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08,17,19 Batch: WG1621453-5					

Tentatively Identified Compounds

Total TIC Compounds	0.00541	J	mg/kg
Unknown	0.00244	J	mg/kg
Cyclotrisiloxane, Hexamethyl-	0.00297	NJ	mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/29/22 18:36
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18 Batch: WG1621455-5					
Dichlorodifluoromethane	ND		mg/kg	0.50	0.046
Chloromethane	ND		mg/kg	0.20	0.047
Vinyl chloride	ND		mg/kg	0.050	0.017
Bromomethane	ND		mg/kg	0.10	0.029
Chloroethane	ND		mg/kg	0.10	0.023
Trichlorofluoromethane	ND		mg/kg	0.20	0.035
1,1-Dichloroethene	ND		mg/kg	0.050	0.012
Carbon disulfide	ND		mg/kg	0.50	0.23
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.20	0.035
Methylene chloride	ND		mg/kg	0.25	0.11
Acetone	ND		mg/kg	0.50	0.24
trans-1,2-Dichloroethene	ND		mg/kg	0.075	0.0068
Methyl Acetate	ND		mg/kg	0.20	0.048
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
1,1-Dichloroethane	ND		mg/kg	0.050	0.0072
cis-1,2-Dichloroethene	ND		mg/kg	0.050	0.0088
1,2-Dichloroethene, Total	ND		mg/kg	0.050	0.0068
Cyclohexane	ND		mg/kg	0.50	0.027
Bromochloromethane	ND		mg/kg	0.10	0.010
Chloroform	ND		mg/kg	0.075	0.0070
Carbon tetrachloride	ND		mg/kg	0.050	0.012
1,1,1-Trichloroethane	ND		mg/kg	0.025	0.0084
2-Butanone	ND		mg/kg	0.50	0.11
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Methyl cyclohexane	ND		mg/kg	0.20	0.030
Trichloroethene	ND		mg/kg	0.025	0.0068
1,2-Dichloropropane	ND		mg/kg	0.050	0.0062
Bromodichloromethane	ND		mg/kg	0.025	0.0054

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/29/22 18:36
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18 Batch: WG1621455-5					
1,4-Dioxane	ND		mg/kg	4.0	1.8
cis-1,3-Dichloropropene	ND		mg/kg	0.025	0.0079
Toluene	ND		mg/kg	0.050	0.027
4-Methyl-2-pentanone	ND		mg/kg	0.50	0.064
Tetrachloroethene	ND		mg/kg	0.025	0.0098
trans-1,3-Dichloropropene	ND		mg/kg	0.050	0.014
1,3-Dichloropropene, Total	ND		mg/kg	0.025	0.0079
1,1,2-Trichloroethane	ND		mg/kg	0.050	0.013
Dibromochloromethane	ND		mg/kg	0.050	0.0070
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
2-Hexanone	ND		mg/kg	0.50	0.059
Chlorobenzene	ND		mg/kg	0.025	0.0064
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Styrene	ND		mg/kg	0.050	0.0098
Bromoform	ND		mg/kg	0.20	0.012
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.025	0.0083
1,3-Dichlorobenzene	ND		mg/kg	0.10	0.0074
1,4-Dichlorobenzene	ND		mg/kg	0.10	0.0086
1,2-Dichlorobenzene	ND		mg/kg	0.10	0.0072
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.15	0.050
1,2,4-Trichlorobenzene	ND		mg/kg	0.10	0.014
1,2,3-Trichlorobenzene	ND		mg/kg	0.10	0.016

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/29/22 18:36
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18 Batch: WG1621455-5					

Tentatively Identified Compounds

Total TIC Compounds	0.270	J	mg/kg
Cyclotrisiloxane, Hexamethyl-	0.148	NJ	mg/kg
Unknown	0.122	J	mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/22 10:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,08 Batch: WG1621500-10					
Dichlorodifluoromethane	ND		mg/kg	0.50	0.046
Chloromethane	ND		mg/kg	0.20	0.047
Vinyl chloride	ND		mg/kg	0.050	0.017
Bromomethane	0.061	J	mg/kg	0.10	0.029
Chloroethane	ND		mg/kg	0.10	0.023
Trichlorofluoromethane	ND		mg/kg	0.20	0.035
1,1-Dichloroethene	ND		mg/kg	0.050	0.012
Carbon disulfide	ND		mg/kg	0.50	0.23
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.20	0.035
Methylene chloride	ND		mg/kg	0.25	0.11
Acetone	ND		mg/kg	0.50	0.24
trans-1,2-Dichloroethene	ND		mg/kg	0.075	0.0068
Methyl Acetate	ND		mg/kg	0.20	0.048
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
1,1-Dichloroethane	ND		mg/kg	0.050	0.0072
cis-1,2-Dichloroethene	ND		mg/kg	0.050	0.0088
1,2-Dichloroethene, Total	ND		mg/kg	0.050	0.0068
Cyclohexane	ND		mg/kg	0.50	0.027
Bromochloromethane	ND		mg/kg	0.10	0.010
Chloroform	ND		mg/kg	0.075	0.0070
Carbon tetrachloride	ND		mg/kg	0.050	0.012
1,1,1-Trichloroethane	ND		mg/kg	0.025	0.0084
2-Butanone	ND		mg/kg	0.50	0.11
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Methyl cyclohexane	ND		mg/kg	0.20	0.030
Trichloroethene	ND		mg/kg	0.025	0.0068
1,2-Dichloropropane	ND		mg/kg	0.050	0.0062
Bromodichloromethane	ND		mg/kg	0.025	0.0054

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/22 10:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,08 Batch: WG1621500-10					
1,4-Dioxane	ND		mg/kg	4.0	1.8
cis-1,3-Dichloropropene	ND		mg/kg	0.025	0.0079
Toluene	ND		mg/kg	0.050	0.027
4-Methyl-2-pentanone	ND		mg/kg	0.50	0.064
Tetrachloroethene	ND		mg/kg	0.025	0.0098
trans-1,3-Dichloropropene	ND		mg/kg	0.050	0.014
1,3-Dichloropropene, Total	ND		mg/kg	0.025	0.0079
1,1,2-Trichloroethane	ND		mg/kg	0.050	0.013
Dibromochloromethane	ND		mg/kg	0.050	0.0070
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
2-Hexanone	ND		mg/kg	0.50	0.059
Chlorobenzene	ND		mg/kg	0.025	0.0064
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Styrene	ND		mg/kg	0.050	0.0098
Bromoform	ND		mg/kg	0.20	0.012
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.025	0.0083
1,3,5-Trimethylbenzene	ND		mg/kg	0.10	0.0096
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	0.017
1,3-Dichlorobenzene	ND		mg/kg	0.10	0.0074
1,4-Dichlorobenzene	ND		mg/kg	0.10	0.0086
1,2-Dichlorobenzene	ND		mg/kg	0.10	0.0072
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.15	0.050
1,2,4-Trichlorobenzene	ND		mg/kg	0.10	0.014
Naphthalene	ND		mg/kg	0.20	0.032
1,2,3-Trichlorobenzene	ND		mg/kg	0.10	0.016

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/22 10:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05,08 Batch: WG1621500-10					

Tentatively Identified Compounds

Total TIC Compounds	0.130	J	mg/kg
Unknown	0.130	J	mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/22 08:34
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16 Batch: WG1622016-5					
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Chloromethane	ND		mg/kg	0.0040	0.00093
Vinyl chloride	ND		mg/kg	0.0010	0.00034
Bromomethane	ND		mg/kg	0.0020	0.00058
Chloroethane	ND		mg/kg	0.0020	0.00045
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024
Carbon disulfide	ND		mg/kg	0.010	0.0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069
Methylene chloride	ND		mg/kg	0.0050	0.0023
Acetone	ND		mg/kg	0.025	0.010
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Methyl Acetate	ND		mg/kg	0.0040	0.00095
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014
Cyclohexane	ND		mg/kg	0.010	0.00054
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Chloroform	ND		mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
2-Butanone	ND		mg/kg	0.010	0.0022
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Bromodichloromethane	ND		mg/kg	0.00050	0.00011

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/22 08:34
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16 Batch: WG1622016-5					
1,4-Dioxane	ND		mg/kg	0.080	0.035
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
Toluene	ND		mg/kg	0.0010	0.00054
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
2-Hexanone	ND		mg/kg	0.010	0.0012
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Styrene	ND		mg/kg	0.0010	0.00020
Bromoform	ND		mg/kg	0.0040	0.00025
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
Naphthalene	ND		mg/kg	0.0040	0.00065
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/22 08:34
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16 Batch: WG1622016-5					

Tentatively Identified Compounds

No Tentatively Identified Compounds ND mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/22 08:34
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 14 Batch: WG1622018-5					
Dichlorodifluoromethane	ND		mg/kg	0.50	0.046
Chloromethane	ND		mg/kg	0.20	0.047
Vinyl chloride	ND		mg/kg	0.050	0.017
Bromomethane	ND		mg/kg	0.10	0.029
Chloroethane	ND		mg/kg	0.10	0.023
Trichlorofluoromethane	ND		mg/kg	0.20	0.035
1,1-Dichloroethene	ND		mg/kg	0.050	0.012
Carbon disulfide	ND		mg/kg	0.50	0.23
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.20	0.035
Methylene chloride	ND		mg/kg	0.25	0.11
Acetone	ND		mg/kg	0.50	0.24
trans-1,2-Dichloroethene	ND		mg/kg	0.075	0.0068
Methyl Acetate	ND		mg/kg	0.20	0.048
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
1,1-Dichloroethane	ND		mg/kg	0.050	0.0072
cis-1,2-Dichloroethene	ND		mg/kg	0.050	0.0088
1,2-Dichloroethene, Total	ND		mg/kg	0.050	0.0068
Cyclohexane	ND		mg/kg	0.50	0.027
Bromochloromethane	ND		mg/kg	0.10	0.010
Chloroform	ND		mg/kg	0.075	0.0070
Carbon tetrachloride	ND		mg/kg	0.050	0.012
1,1,1-Trichloroethane	ND		mg/kg	0.025	0.0084
2-Butanone	ND		mg/kg	0.50	0.11
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Methyl cyclohexane	ND		mg/kg	0.20	0.030
Trichloroethene	ND		mg/kg	0.025	0.0068
1,2-Dichloropropane	ND		mg/kg	0.050	0.0062
Bromodichloromethane	ND		mg/kg	0.025	0.0054

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/22 08:34
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 14 Batch: WG1622018-5					
1,4-Dioxane	ND		mg/kg	4.0	1.8
cis-1,3-Dichloropropene	ND		mg/kg	0.025	0.0079
Toluene	ND		mg/kg	0.050	0.027
4-Methyl-2-pentanone	ND		mg/kg	0.50	0.064
Tetrachloroethene	ND		mg/kg	0.025	0.0098
trans-1,3-Dichloropropene	ND		mg/kg	0.050	0.014
1,3-Dichloropropene, Total	ND		mg/kg	0.025	0.0079
1,1,2-Trichloroethane	ND		mg/kg	0.050	0.013
Dibromochloromethane	ND		mg/kg	0.050	0.0070
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
2-Hexanone	ND		mg/kg	0.50	0.059
Chlorobenzene	ND		mg/kg	0.025	0.0064
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Styrene	ND		mg/kg	0.050	0.0098
Bromoform	ND		mg/kg	0.20	0.012
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.025	0.0083
1,3,5-Trimethylbenzene	ND		mg/kg	0.10	0.0096
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	0.017
1,3-Dichlorobenzene	ND		mg/kg	0.10	0.0074
1,4-Dichlorobenzene	ND		mg/kg	0.10	0.0086
1,2-Dichlorobenzene	ND		mg/kg	0.10	0.0072
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.15	0.050
1,2,4-Trichlorobenzene	ND		mg/kg	0.10	0.014
Naphthalene	ND		mg/kg	0.20	0.032
1,2,3-Trichlorobenzene	ND		mg/kg	0.10	0.016

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/31/22 08:34
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 14 Batch: WG1622018-5					

Tentatively Identified Compounds

No Tentatively Identified Compounds ND mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/22 10:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16 Batch: WG1622033-5					
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00092
Chloromethane	ND		mg/kg	0.0040	0.00093
Vinyl chloride	ND		mg/kg	0.0010	0.00034
Bromomethane	0.0012	J	mg/kg	0.0020	0.00058
Chloroethane	ND		mg/kg	0.0020	0.00045
Trichlorofluoromethane	ND		mg/kg	0.0040	0.00070
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00024
Carbon disulfide	ND		mg/kg	0.010	0.0046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	0.00069
Methylene chloride	ND		mg/kg	0.0050	0.0023
Acetone	ND		mg/kg	0.025	0.010
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00014
Methyl Acetate	ND		mg/kg	0.0040	0.00095
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00020
1,1-Dichloroethane	ND		mg/kg	0.0010	0.00014
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00018
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014
Cyclohexane	ND		mg/kg	0.010	0.00054
Bromochloromethane	ND		mg/kg	0.0020	0.00020
Chloroform	ND		mg/kg	0.0015	0.00014
Carbon tetrachloride	ND		mg/kg	0.0010	0.00023
1,1,1-Trichloroethane	ND		mg/kg	0.00050	0.00017
2-Butanone	ND		mg/kg	0.010	0.0022
Benzene	ND		mg/kg	0.00050	0.00017
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00026
Methyl cyclohexane	ND		mg/kg	0.0040	0.00060
Trichloroethene	ND		mg/kg	0.00050	0.00014
1,2-Dichloropropane	ND		mg/kg	0.0010	0.00012
Bromodichloromethane	ND		mg/kg	0.00050	0.00011

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/22 10:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16 Batch: WG1622033-5					
1,4-Dioxane	ND		mg/kg	0.080	0.035
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	0.00016
Toluene	ND		mg/kg	0.0010	0.00054
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.0013
Tetrachloroethene	ND		mg/kg	0.00050	0.00020
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00027
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	0.00016
1,1,2-Trichloroethane	ND		mg/kg	0.0010	0.00027
Dibromochloromethane	ND		mg/kg	0.0010	0.00014
1,2-Dibromoethane	ND		mg/kg	0.00050	0.00029
2-Hexanone	ND		mg/kg	0.010	0.0012
Chlorobenzene	ND		mg/kg	0.00050	0.00013
Ethylbenzene	ND		mg/kg	0.0010	0.00014
p/m-Xylene	ND		mg/kg	0.0020	0.00056
o-Xylene	ND		mg/kg	0.0010	0.00029
Xylenes, Total	ND		mg/kg	0.0010	0.00029
Styrene	ND		mg/kg	0.0010	0.00020
Bromoform	ND		mg/kg	0.0040	0.00025
Isopropylbenzene	ND		mg/kg	0.0010	0.00011
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	0.00017
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	0.00019
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	0.00033
1,3-Dichlorobenzene	ND		mg/kg	0.0020	0.00015
1,4-Dichlorobenzene	ND		mg/kg	0.0020	0.00017
1,2-Dichlorobenzene	ND		mg/kg	0.0020	0.00014
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.0010
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	0.00027
Naphthalene	ND		mg/kg	0.0040	0.00065
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	0.00032

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/22 10:56
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16 Batch: WG1622033-5					

Tentatively Identified Compounds

Total TIC Compounds	0.00261	J	mg/kg
Unknown	0.00261	J	mg/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 20-21 Batch: WG1619571-3 WG1619571-4								
1,4-Dioxane	120		130		70-130	8		25
1,1,2,2-Tetrachloroethane	95		103		70-130	8		25

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21 Batch: WG1619572-3 WG1619572-4								
Dichlorodifluoromethane	82		81		36-147	1		20
Chloromethane	88		88		64-130	0		20
Vinyl chloride	86		89		55-140	3		20
Bromomethane	99		100		39-139	1		20
Chloroethane	96		93		55-138	3		20
Trichlorofluoromethane	99		91		62-150	8		20
1,1-Dichloroethene	95		96		61-145	1		20
Carbon disulfide	96		95		51-130	1		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		96		70-130	3		20
Methylene chloride	95		95		70-130	0		20
Acetone	110		110		58-148	0		20
trans-1,2-Dichloroethene	96		96		70-130	0		20
Methyl Acetate	100		96		70-130	4		20
Methyl tert butyl ether	88		88		63-130	0		20
1,1-Dichloroethane	96		94		70-130	2		20
cis-1,2-Dichloroethene	95		95		70-130	0		20
Cyclohexane	93		95		70-130	2		20
Bromochloromethane	100		98		70-130	2		20
Chloroform	100		96		70-130	4		20
Carbon tetrachloride	95		93		63-132	2		20
1,1,1-Trichloroethane	95		92		67-130	3		20
2-Butanone	99		100		63-138	1		20
Benzene	100		99		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21 Batch: WG1619572-3 WG1619572-4								
1,2-Dichloroethane	94		89		70-130	5		20
Methyl cyclohexane	96		96		70-130	0		20
Trichloroethene	98		95		70-130	3		20
1,2-Dichloropropane	94		93		70-130	1		20
Bromodichloromethane	94		91		67-130	3		20
cis-1,3-Dichloropropene	90		91		70-130	1		20
Toluene	100		99		70-130	1		20
Tetrachloroethene	97		96		70-130	1		20
4-Methyl-2-pentanone	86		91		59-130	6		20
trans-1,3-Dichloropropene	94		92		70-130	2		20
1,1,2-Trichloroethane	100		97		70-130	3		20
Dibromochloromethane	98		96		63-130	2		20
1,2-Dibromoethane	100		97		70-130	3		20
2-Hexanone	94		95		57-130	1		20
Chlorobenzene	99		97		75-130	2		20
Ethylbenzene	97		96		70-130	1		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	90		90		70-130	0		20
Styrene	95		90		70-130	5		20
Bromoform	91		89		54-136	2		20
Isopropylbenzene	98		99		70-130	1		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21 Batch: WG1619572-3 WG1619572-4								
1,3-Dichlorobenzene	97		97		70-130	0		20
1,4-Dichlorobenzene	97		95		70-130	2		20
1,2-Dichlorobenzene	94		97		70-130	3		20
1,2-Dibromo-3-chloropropane	96		94		41-144	2		20
1,2,4-Trichlorobenzene	86		89		70-130	3		20
Naphthalene	81		83		70-130	2		20
1,2,3-Trichlorobenzene	92		90		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	105		103		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-13,15 Batch: WG1620536-3 WG1620536-4								
Dichlorodifluoromethane	101		82		30-146	21		30
Chloromethane	88		70		52-130	23		30
Vinyl chloride	91		72		67-130	23		30
Bromomethane	84		70		57-147	18		30
Chloroethane	80		72		50-151	11		30
Trichlorofluoromethane	102		82		70-139	22		30
1,1-Dichloroethene	102		86		65-135	17		30
Carbon disulfide	102		85		59-130	18		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	116		105		50-139	10		30
Methylene chloride	89		73		70-130	20		30
Acetone	99		79		54-140	22		30
trans-1,2-Dichloroethene	98		86		70-130	13		30
Methyl Acetate	94		76		51-146	21		30
Methyl tert butyl ether	107		84		66-130	24		30
1,1-Dichloroethane	96		82		70-130	16		30
cis-1,2-Dichloroethene	96		82		70-130	16		30
Cyclohexane	108		94		59-142	14		30
Bromochloromethane	100		85		70-130	16		30
Chloroform	96		83		70-130	15		30
Carbon tetrachloride	109		96		70-130	13		30
1,1,1-Trichloroethane	105		92		70-130	13		30
2-Butanone	93		74		70-130	23		30
Benzene	109		90		70-130	19		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-13,15 Batch: WG1620536-3 WG1620536-4								
1,2-Dichloroethane	95		80		70-130	17		30
Methyl cyclohexane	112		95		70-130	16		30
Trichloroethene	113		95		70-130	17		30
1,2-Dichloropropane	101		84		70-130	18		30
Bromodichloromethane	98		82		70-130	18		30
1,4-Dioxane	102		87		65-136	16		30
cis-1,3-Dichloropropene	109		90		70-130	19		30
Toluene	111		93		70-130	18		30
4-Methyl-2-pentanone	109		86		70-130	24		30
Tetrachloroethene	128		108		70-130	17		30
trans-1,3-Dichloropropene	119		95		70-130	22		30
1,1,2-Trichloroethane	110		89		70-130	21		30
Dibromochloromethane	117		97		70-130	19		30
1,2-Dibromoethane	118		96		70-130	21		30
2-Hexanone	104		84		70-130	21		30
Chlorobenzene	110		93		70-130	17		30
Ethylbenzene	111		95		70-130	16		30
p/m-Xylene	114		96		70-130	17		30
o-Xylene	111		95		70-130	16		30
Styrene	113		96		70-130	16		30
Bromoform	114		91		70-130	22		30
Isopropylbenzene	117		98		70-130	18		30
1,1,2,2-Tetrachloroethane	111		90		70-130	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,09-13,15 Batch: WG1620536-3 WG1620536-4								
1,3,5-Trimethylbenzene	116		97		70-130	18		30
1,2,4-Trimethylbenzene	114		95		70-130	18		30
1,3-Dichlorobenzene	112		94		70-130	17		30
1,4-Dichlorobenzene	110		92		70-130	18		30
1,2-Dichlorobenzene	110		92		70-130	18		30
1,2-Dibromo-3-chloropropane	108		90		68-130	18		30
1,2,4-Trichlorobenzene	116		96		70-130	19		30
Naphthalene	110		92		70-130	18		30
1,2,3-Trichlorobenzene	114		95		70-130	18		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		90		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	91		92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04,06,16-17,19 Batch: WG1620539-3 WG1620539-4								
Dichlorodifluoromethane	101		82		30-146	21		30
Chloromethane	88		70		52-130	23		30
Vinyl chloride	91		72		67-130	23		30
Bromomethane	84		70		57-147	18		30
Chloroethane	80		72		50-151	11		30
Trichlorofluoromethane	102		82		70-139	22		30
1,1-Dichloroethene	102		86		65-135	17		30
Carbon disulfide	102		85		59-130	18		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	116		105		50-139	10		30
Methylene chloride	89		73		70-130	20		30
Acetone	99		79		54-140	22		30
trans-1,2-Dichloroethene	98		86		70-130	13		30
Methyl Acetate	94		76		51-146	21		30
Methyl tert butyl ether	107		84		66-130	24		30
1,1-Dichloroethane	96		82		70-130	16		30
cis-1,2-Dichloroethene	96		82		70-130	16		30
Cyclohexane	108		94		59-142	14		30
Bromochloromethane	100		85		70-130	16		30
Chloroform	96		83		70-130	15		30
Carbon tetrachloride	109		96		70-130	13		30
1,1,1-Trichloroethane	105		92		70-130	13		30
2-Butanone	93		74		70-130	23		30
Benzene	109		90		70-130	19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04,06,16-17,19 Batch: WG1620539-3 WG1620539-4								
1,2-Dichloroethane	95		80		70-130	17		30
Methyl cyclohexane	112		95		70-130	16		30
Trichloroethene	113		95		70-130	17		30
1,2-Dichloropropane	101		84		70-130	18		30
Bromodichloromethane	98		82		70-130	18		30
1,4-Dioxane	102		87		65-136	16		30
cis-1,3-Dichloropropene	109		90		70-130	19		30
Toluene	111		93		70-130	18		30
4-Methyl-2-pentanone	109		86		70-130	24		30
Tetrachloroethene	128		108		70-130	17		30
trans-1,3-Dichloropropene	119		95		70-130	22		30
1,1,2-Trichloroethane	110		89		70-130	21		30
Dibromochloromethane	117		97		70-130	19		30
1,2-Dibromoethane	118		96		70-130	21		30
2-Hexanone	104		84		70-130	21		30
Chlorobenzene	110		93		70-130	17		30
Ethylbenzene	111		95		70-130	16		30
p/m-Xylene	114		96		70-130	17		30
o-Xylene	111		95		70-130	16		30
Styrene	113		96		70-130	16		30
Bromoform	114		91		70-130	22		30
Isopropylbenzene	117		98		70-130	18		30
1,1,2,2-Tetrachloroethane	111		90		70-130	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04,06,16-17,19 Batch: WG1620539-3 WG1620539-4								
1,3,5-Trimethylbenzene	116		97		70-130	18		30
1,2,4-Trimethylbenzene	114		95		70-130	18		30
1,3-Dichlorobenzene	112		94		70-130	17		30
1,4-Dichlorobenzene	110		92		70-130	18		30
1,2-Dichlorobenzene	110		92		70-130	18		30
1,2-Dibromo-3-chloropropane	108		90		68-130	18		30
1,2,4-Trichlorobenzene	116		96		70-130	19		30
Naphthalene	110		92		70-130	18		30
1,2,3-Trichlorobenzene	114		95		70-130	18		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		90		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	91		92		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-05 Batch: WG1620539-8 WG1620539-9								
Dichlorodifluoromethane	97		95		30-146	2		30
Chloromethane	81		78		52-130	4		30
Vinyl chloride	82		81		67-130	1		30
Bromomethane	75		74		57-147	1		30
Chloroethane	76		72		50-151	5		30
Trichlorofluoromethane	92		94		70-139	2		30
1,1-Dichloroethene	101		95		65-135	6		30
Carbon disulfide	99		93		59-130	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		116		50-139	3		30
Methylene chloride	84		81		70-130	4		30
Acetone	97		94		54-140	3		30
trans-1,2-Dichloroethene	97		90		70-130	7		30
Methyl Acetate	88		89		51-146	1		30
Methyl tert butyl ether	96		102		66-130	6		30
1,1-Dichloroethane	94		89		70-130	5		30
cis-1,2-Dichloroethene	93		87		70-130	7		30
Cyclohexane	109		103		59-142	6		30
Bromochloromethane	96		92		70-130	4		30
Chloroform	92		89		70-130	3		30
Carbon tetrachloride	109		103		70-130	6		30
1,1,1-Trichloroethane	106		99		70-130	7		30
2-Butanone	87		90		70-130	3		30
Benzene	102		98		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-05 Batch: WG1620539-8 WG1620539-9								
1,2-Dichloroethane	90		89		70-130	1		30
Methyl cyclohexane	112		107		70-130	5		30
Trichloroethene	109		102		70-130	7		30
1,2-Dichloropropane	94		93		70-130	1		30
Bromodichloromethane	95		92		70-130	3		30
1,4-Dioxane	104		101		65-136	3		30
cis-1,3-Dichloropropene	103		100		70-130	3		30
Toluene	105		98		70-130	7		30
4-Methyl-2-pentanone	100		107		70-130	7		30
Tetrachloroethene	122		115		70-130	6		30
trans-1,3-Dichloropropene	107		107		70-130	0		30
1,1,2-Trichloroethane	100		103		70-130	3		30
Dibromochloromethane	110		111		70-130	1		30
1,2-Dibromoethane	109		111		70-130	2		30
2-Hexanone	99		105		70-130	6		30
Chlorobenzene	104		97		70-130	7		30
Ethylbenzene	105		98		70-130	7		30
p/m-Xylene	108		100		70-130	8		30
o-Xylene	106		98		70-130	8		30
Styrene	108		100		70-130	8		30
Bromoform	108		112		70-130	4		30
Isopropylbenzene	111		104		70-130	7		30
1,1,2,2-Tetrachloroethane	100		106		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-05 Batch: WG1620539-8 WG1620539-9								
1,3,5-Trimethylbenzene	108		102		70-130	6		30
1,2,4-Trimethylbenzene	106		100		70-130	6		30
1,3-Dichlorobenzene	104		98		70-130	6		30
1,4-Dichlorobenzene	102		96		70-130	6		30
1,2-Dichlorobenzene	103		98		70-130	5		30
1,2-Dibromo-3-chloropropane	104		108		68-130	4		30
1,2,4-Trichlorobenzene	106		100		70-130	6		30
Naphthalene	104		104		70-130	0		30
1,2,3-Trichlorobenzene	105		101		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	93		92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1621094-3 WG1621094-4								
Dichlorodifluoromethane	97		95		30-146	2		30
Chloromethane	81		78		52-130	4		30
Vinyl chloride	82		81		67-130	1		30
Bromomethane	75		74		57-147	1		30
Chloroethane	76		72		50-151	5		30
Trichlorofluoromethane	92		94		70-139	2		30
1,1-Dichloroethene	101		95		65-135	6		30
Carbon disulfide	99		93		59-130	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		116		50-139	3		30
Methylene chloride	84		81		70-130	4		30
Acetone	97		94		54-140	3		30
trans-1,2-Dichloroethene	97		90		70-130	7		30
Methyl Acetate	88		89		51-146	1		30
Methyl tert butyl ether	96		102		66-130	6		30
1,1-Dichloroethane	94		89		70-130	5		30
cis-1,2-Dichloroethene	93		87		70-130	7		30
Cyclohexane	109		103		59-142	6		30
Bromochloromethane	96		92		70-130	4		30
Chloroform	92		89		70-130	3		30
Carbon tetrachloride	109		103		70-130	6		30
1,1,1-Trichloroethane	106		99		70-130	7		30
2-Butanone	87		90		70-130	3		30
Benzene	102		98		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1621094-3 WG1621094-4								
1,2-Dichloroethane	90		89		70-130	1		30
Methyl cyclohexane	112		107		70-130	5		30
Trichloroethene	109		102		70-130	7		30
1,2-Dichloropropane	94		93		70-130	1		30
Bromodichloromethane	95		92		70-130	3		30
1,4-Dioxane	104		101		65-136	3		30
cis-1,3-Dichloropropene	103		100		70-130	3		30
Toluene	105		98		70-130	7		30
4-Methyl-2-pentanone	100		107		70-130	7		30
Tetrachloroethene	122		115		70-130	6		30
trans-1,3-Dichloropropene	107		107		70-130	0		30
1,1,2-Trichloroethane	100		103		70-130	3		30
Dibromochloromethane	110		111		70-130	1		30
1,2-Dibromoethane	109		111		70-130	2		30
2-Hexanone	99		105		70-130	6		30
Chlorobenzene	104		97		70-130	7		30
Ethylbenzene	105		98		70-130	7		30
p/m-Xylene	108		100		70-130	8		30
o-Xylene	106		98		70-130	8		30
Styrene	108		100		70-130	8		30
Bromoform	108		112		70-130	4		30
Isopropylbenzene	111		104		70-130	7		30
1,1,2,2-Tetrachloroethane	100		106		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1621094-3 WG1621094-4								
1,3,5-Trimethylbenzene	108		102		70-130	6		30
1,2,4-Trimethylbenzene	106		100		70-130	6		30
1,3-Dichlorobenzene	104		98		70-130	6		30
1,4-Dichlorobenzene	102		96		70-130	6		30
1,2-Dichlorobenzene	103		98		70-130	5		30
1,2-Dibromo-3-chloropropane	104		108		68-130	4		30
1,2,4-Trichlorobenzene	106		100		70-130	6		30
Naphthalene	104		104		70-130	0		30
1,2,3-Trichlorobenzene	105		101		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	93		92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,17,19 Batch: WG1621453-3 WG1621453-4								
Dichlorodifluoromethane	128		128		30-146	0		30
Chloromethane	99		97		52-130	2		30
Vinyl chloride	95		95		67-130	0		30
Bromomethane	84		86		57-147	2		30
Chloroethane	82		87		50-151	6		30
Trichlorofluoromethane	95		104		70-139	9		30
1,1-Dichloroethene	106		114		65-135	7		30
Carbon disulfide	108		113		59-130	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	125		140	Q	50-139	11		30
Methylene chloride	88		95		70-130	8		30
Acetone	84		114		54-140	30		30
trans-1,2-Dichloroethene	101		114		70-130	12		30
Methyl Acetate	82		100		51-146	20		30
Methyl tert butyl ether	96		113		66-130	16		30
1,1-Dichloroethane	95		106		70-130	11		30
cis-1,2-Dichloroethene	94		108		70-130	14		30
Cyclohexane	119		127		59-142	7		30
Bromochloromethane	97		110		70-130	13		30
Chloroform	93		108		70-130	15		30
Carbon tetrachloride	126		142	Q	70-130	12		30
1,1,1-Trichloroethane	107		122		70-130	13		30
2-Butanone	81		98		70-130	19		30
Benzene	107		117		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,17,19 Batch: WG1621453-3 WG1621453-4								
1,2-Dichloroethane	89		105		70-130	16		30
Methyl cyclohexane	122		129		70-130	6		30
Trichloroethene	113		126		70-130	11		30
1,2-Dichloropropane	97		110		70-130	13		30
Bromodichloromethane	94		110		70-130	16		30
1,4-Dioxane	86		117		65-136	31	Q	30
cis-1,3-Dichloropropene	104		119		70-130	13		30
Toluene	109		117		70-130	7		30
4-Methyl-2-pentanone	95		115		70-130	19		30
Tetrachloroethene	132	Q	141	Q	70-130	7		30
trans-1,3-Dichloropropene	112		127		70-130	13		30
1,1,2-Trichloroethane	101		117		70-130	15		30
Dibromochloromethane	110		129		70-130	16		30
1,2-Dibromoethane	110		126		70-130	14		30
2-Hexanone	90		112		70-130	22		30
Chlorobenzene	108		118		70-130	9		30
Ethylbenzene	111		120		70-130	8		30
p/m-Xylene	113		122		70-130	8		30
o-Xylene	111		120		70-130	8		30
Styrene	110		123		70-130	11		30
Bromoform	111		125		70-130	12		30
Isopropylbenzene	126		126		70-130	0		30
1,1,2,2-Tetrachloroethane	106		118		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,17,19 Batch: WG1621453-3 WG1621453-4								
1,3,5-Trimethylbenzene	124		123		70-130	1		30
1,2,4-Trimethylbenzene	122		121		70-130	1		30
1,3-Dichlorobenzene	117		120		70-130	3		30
1,4-Dichlorobenzene	116		117		70-130	1		30
1,2-Dichlorobenzene	114		119		70-130	4		30
1,2-Dibromo-3-chloropropane	104		123		68-130	17		30
1,2,4-Trichlorobenzene	124		125		70-130	1		30
Naphthalene	113		124		70-130	9		30
1,2,3-Trichlorobenzene	119		124		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		90		70-130
Toluene-d8	103		100		70-130
4-Bromofluorobenzene	107		102		70-130
Dibromofluoromethane	91		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18 Batch: WG1621455-3 WG1621455-4								
Dichlorodifluoromethane	128		128		30-146	0		30
Chloromethane	99		97		52-130	2		30
Vinyl chloride	95		95		67-130	0		30
Bromomethane	84		86		57-147	2		30
Chloroethane	82		87		50-151	6		30
Trichlorofluoromethane	95		104		70-139	9		30
1,1-Dichloroethene	106		114		65-135	7		30
Carbon disulfide	108		113		59-130	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	125		140	Q	50-139	11		30
Methylene chloride	88		95		70-130	8		30
Acetone	84		114		54-140	30		30
trans-1,2-Dichloroethene	101		114		70-130	12		30
Methyl Acetate	82		100		51-146	20		30
Methyl tert butyl ether	96		113		66-130	16		30
1,1-Dichloroethane	95		106		70-130	11		30
cis-1,2-Dichloroethene	94		108		70-130	14		30
Cyclohexane	119		127		59-142	7		30
Bromochloromethane	97		110		70-130	13		30
Chloroform	93		108		70-130	15		30
Carbon tetrachloride	126		142	Q	70-130	12		30
1,1,1-Trichloroethane	107		122		70-130	13		30
2-Butanone	81		98		70-130	19		30
Benzene	107		117		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18 Batch: WG1621455-3 WG1621455-4								
1,2-Dichloroethane	89		105		70-130	16		30
Methyl cyclohexane	122		129		70-130	6		30
Trichloroethene	113		126		70-130	11		30
1,2-Dichloropropane	97		110		70-130	13		30
Bromodichloromethane	94		110		70-130	16		30
1,4-Dioxane	86		117		65-136	31	Q	30
cis-1,3-Dichloropropene	104		119		70-130	13		30
Toluene	109		117		70-130	7		30
4-Methyl-2-pentanone	95		115		70-130	19		30
Tetrachloroethene	132	Q	141	Q	70-130	7		30
trans-1,3-Dichloropropene	112		127		70-130	13		30
1,1,2-Trichloroethane	101		117		70-130	15		30
Dibromochloromethane	110		129		70-130	16		30
1,2-Dibromoethane	110		126		70-130	14		30
2-Hexanone	90		112		70-130	22		30
Chlorobenzene	108		118		70-130	9		30
Ethylbenzene	111		120		70-130	8		30
p/m-Xylene	113		122		70-130	8		30
o-Xylene	111		120		70-130	8		30
Styrene	110		123		70-130	11		30
Bromoform	111		125		70-130	12		30
Isopropylbenzene	126		126		70-130	0		30
1,1,2,2-Tetrachloroethane	106		118		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18 Batch: WG1621455-3 WG1621455-4								
1,3,5-Trimethylbenzene	124		123		70-130	1		30
1,2,4-Trimethylbenzene	122		121		70-130	1		30
1,3-Dichlorobenzene	117		120		70-130	3		30
1,4-Dichlorobenzene	116		117		70-130	1		30
1,2-Dichlorobenzene	114		119		70-130	4		30
1,2-Dibromo-3-chloropropane	104		123		68-130	17		30
1,2,4-Trichlorobenzene	124		125		70-130	1		30
Naphthalene	113		124		70-130	9		30
1,2,3-Trichlorobenzene	119		124		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		90		70-130
Toluene-d8	103		100		70-130
4-Bromofluorobenzene	107		102		70-130
Dibromofluoromethane	91		93		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,08 Batch: WG1621500-8 WG1621500-9								
Dichlorodifluoromethane	58		59		30-146	2		30
Chloromethane	80		83		52-130	4		30
Vinyl chloride	83		86		67-130	4		30
Bromomethane	99		103		57-147	4		30
Chloroethane	88		91		50-151	3		30
Trichlorofluoromethane	91		94		70-139	3		30
1,1-Dichloroethene	79		84		65-135	6		30
Carbon disulfide	66		68		59-130	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		97		50-139	3		30
Methylene chloride	79		83		70-130	5		30
Acetone	88		95		54-140	8		30
trans-1,2-Dichloroethene	81		87		70-130	7		30
Methyl Acetate	94		101		51-146	7		30
Methyl tert butyl ether	84		88		66-130	5		30
1,1-Dichloroethane	93		97		70-130	4		30
cis-1,2-Dichloroethene	81		85		70-130	5		30
Cyclohexane	109		114		59-142	4		30
Bromochloromethane	86		90		70-130	5		30
Chloroform	81		85		70-130	5		30
Carbon tetrachloride	92		97		70-130	5		30
1,1,1-Trichloroethane	84		88		70-130	5		30
2-Butanone	94		103		70-130	9		30
Benzene	82		85		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,08 Batch: WG1621500-8 WG1621500-9								
1,2-Dichloroethane	96		102		70-130	6		30
Methyl cyclohexane	86		90		70-130	5		30
Trichloroethene	83		88		70-130	6		30
1,2-Dichloropropane	98		104		70-130	6		30
Bromodichloromethane	81		86		70-130	6		30
1,4-Dioxane	94		102		65-136	8		30
cis-1,3-Dichloropropene	88		93		70-130	6		30
Toluene	81		85		70-130	5		30
4-Methyl-2-pentanone	107		115		70-130	7		30
Tetrachloroethene	88		90		70-130	2		30
trans-1,3-Dichloropropene	85		90		70-130	6		30
1,1,2-Trichloroethane	78		81		70-130	4		30
Dibromochloromethane	86		91		70-130	6		30
1,2-Dibromoethane	90		94		70-130	4		30
2-Hexanone	92		98		70-130	6		30
Chlorobenzene	86		89		70-130	3		30
Ethylbenzene	83		86		70-130	4		30
p/m-Xylene	88		92		70-130	4		30
o-Xylene	87		90		70-130	3		30
Styrene	84		88		70-130	5		30
Bromoform	80		83		70-130	4		30
Isopropylbenzene	93		97		70-130	4		30
1,1,2,2-Tetrachloroethane	81		86		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05,08 Batch: WG1621500-8 WG1621500-9								
1,3,5-Trimethylbenzene	91		94		70-130	3		30
1,2,4-Trimethylbenzene	92		95		70-130	3		30
1,3-Dichlorobenzene	91		94		70-130	3		30
1,4-Dichlorobenzene	89		94		70-130	5		30
1,2-Dichlorobenzene	89		93		70-130	4		30
1,2-Dibromo-3-chloropropane	81		88		68-130	8		30
1,2,4-Trichlorobenzene	87		93		70-130	7		30
Naphthalene	84		92		70-130	9		30
1,2,3-Trichlorobenzene	82		88		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		102		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16 Batch: WG1622016-3 WG1622016-4								
Dichlorodifluoromethane	94		90		30-146	4		30
Chloromethane	125		120		52-130	4		30
Vinyl chloride	116		111		67-130	4		30
Bromomethane	117		112		57-147	4		30
Chloroethane	112		108		50-151	4		30
Trichlorofluoromethane	110		106		70-139	4		30
1,1-Dichloroethene	107		104		65-135	3		30
Carbon disulfide	106		102		59-130	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		107		50-139	3		30
Methylene chloride	98		95		70-130	3		30
Acetone	114		113		54-140	1		30
trans-1,2-Dichloroethene	108		104		70-130	4		30
Methyl Acetate	117		116		51-146	1		30
Methyl tert butyl ether	107		105		66-130	2		30
1,1-Dichloroethane	114		111		70-130	3		30
cis-1,2-Dichloroethene	104		101		70-130	3		30
Cyclohexane	124		122		59-142	2		30
Bromochloromethane	99		98		70-130	1		30
Chloroform	106		104		70-130	2		30
Carbon tetrachloride	109		106		70-130	3		30
1,1,1-Trichloroethane	114		109		70-130	4		30
2-Butanone	115		114		70-130	1		30
Benzene	111		108		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16 Batch: WG1622016-3 WG1622016-4								
1,2-Dichloroethane	109		107		70-130	2		30
Methyl cyclohexane	112		110		70-130	2		30
Trichloroethene	110		107		70-130	3		30
1,2-Dichloropropane	113		110		70-130	3		30
Bromodichloromethane	110		106		70-130	4		30
1,4-Dioxane	94		97		65-136	3		30
cis-1,3-Dichloropropene	112		109		70-130	3		30
Toluene	112		108		70-130	4		30
4-Methyl-2-pentanone	112		111		70-130	1		30
Tetrachloroethene	111		108		70-130	3		30
trans-1,3-Dichloropropene	115		113		70-130	2		30
1,1,2-Trichloroethane	108		106		70-130	2		30
Dibromochloromethane	110		107		70-130	3		30
1,2-Dibromoethane	109		107		70-130	2		30
2-Hexanone	120		120		70-130	0		30
Chlorobenzene	112		109		70-130	3		30
Ethylbenzene	114		112		70-130	2		30
p/m-Xylene	115		112		70-130	3		30
o-Xylene	114		113		70-130	1		30
Styrene	115		112		70-130	3		30
Bromoform	102		100		70-130	2		30
Isopropylbenzene	118		115		70-130	3		30
1,1,2,2-Tetrachloroethane	112		110		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16 Batch: WG1622016-3 WG1622016-4								
1,3,5-Trimethylbenzene	117		113		70-130	3		30
1,2,4-Trimethylbenzene	116		113		70-130	3		30
1,3-Dichlorobenzene	112		110		70-130	2		30
1,4-Dichlorobenzene	112		108		70-130	4		30
1,2-Dichlorobenzene	109		108		70-130	1		30
1,2-Dibromo-3-chloropropane	97		98		68-130	1		30
1,2,4-Trichlorobenzene	110		109		70-130	1		30
Naphthalene	106		106		70-130	0		30
1,2,3-Trichlorobenzene	106		106		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	93		92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 14 Batch: WG1622018-3 WG1622018-4								
Dichlorodifluoromethane	94		90		30-146	4		30
Chloromethane	125		120		52-130	4		30
Vinyl chloride	116		111		67-130	4		30
Bromomethane	117		112		57-147	4		30
Chloroethane	112		108		50-151	4		30
Trichlorofluoromethane	110		106		70-139	4		30
1,1-Dichloroethene	107		104		65-135	3		30
Carbon disulfide	106		102		59-130	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		107		50-139	3		30
Methylene chloride	98		95		70-130	3		30
Acetone	114		113		54-140	1		30
trans-1,2-Dichloroethene	108		104		70-130	4		30
Methyl Acetate	117		116		51-146	1		30
Methyl tert butyl ether	107		105		66-130	2		30
1,1-Dichloroethane	114		111		70-130	3		30
cis-1,2-Dichloroethene	104		101		70-130	3		30
Cyclohexane	124		122		59-142	2		30
Bromochloromethane	99		98		70-130	1		30
Chloroform	106		104		70-130	2		30
Carbon tetrachloride	109		106		70-130	3		30
1,1,1-Trichloroethane	114		109		70-130	4		30
2-Butanone	115		114		70-130	1		30
Benzene	111		108		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 14 Batch: WG1622018-3 WG1622018-4								
1,2-Dichloroethane	109		107		70-130	2		30
Methyl cyclohexane	112		110		70-130	2		30
Trichloroethene	110		107		70-130	3		30
1,2-Dichloropropane	113		110		70-130	3		30
Bromodichloromethane	110		106		70-130	4		30
1,4-Dioxane	94		97		65-136	3		30
cis-1,3-Dichloropropene	112		109		70-130	3		30
Toluene	112		108		70-130	4		30
4-Methyl-2-pentanone	112		111		70-130	1		30
Tetrachloroethene	111		108		70-130	3		30
trans-1,3-Dichloropropene	115		113		70-130	2		30
1,1,2-Trichloroethane	108		106		70-130	2		30
Dibromochloromethane	110		107		70-130	3		30
1,2-Dibromoethane	109		107		70-130	2		30
2-Hexanone	120		120		70-130	0		30
Chlorobenzene	112		109		70-130	3		30
Ethylbenzene	114		112		70-130	2		30
p/m-Xylene	115		112		70-130	3		30
o-Xylene	114		113		70-130	1		30
Styrene	115		112		70-130	3		30
Bromoform	102		100		70-130	2		30
Isopropylbenzene	118		115		70-130	3		30
1,1,2,2-Tetrachloroethane	112		110		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 14 Batch: WG1622018-3 WG1622018-4								
1,3,5-Trimethylbenzene	117		113		70-130	3		30
1,2,4-Trimethylbenzene	116		113		70-130	3		30
1,3-Dichlorobenzene	112		110		70-130	2		30
1,4-Dichlorobenzene	112		108		70-130	4		30
1,2-Dichlorobenzene	109		108		70-130	1		30
1,2-Dibromo-3-chloropropane	97		98		68-130	1		30
1,2,4-Trichlorobenzene	110		109		70-130	1		30
Naphthalene	106		106		70-130	0		30
1,2,3-Trichlorobenzene	106		106		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	93		92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16 Batch: WG1622033-3 WG1622033-4								
Dichlorodifluoromethane	58		59		30-146	2		30
Chloromethane	80		83		52-130	4		30
Vinyl chloride	83		86		67-130	4		30
Bromomethane	99		103		57-147	4		30
Chloroethane	88		91		50-151	3		30
Trichlorofluoromethane	91		94		70-139	3		30
1,1-Dichloroethene	79		84		65-135	6		30
Carbon disulfide	66		68		59-130	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		97		50-139	3		30
Methylene chloride	79		83		70-130	5		30
Acetone	88		95		54-140	8		30
trans-1,2-Dichloroethene	81		87		70-130	7		30
Methyl Acetate	94		101		51-146	7		30
Methyl tert butyl ether	84		88		66-130	5		30
1,1-Dichloroethane	93		97		70-130	4		30
cis-1,2-Dichloroethene	81		85		70-130	5		30
Cyclohexane	109		114		59-142	4		30
Bromochloromethane	86		90		70-130	5		30
Chloroform	81		85		70-130	5		30
Carbon tetrachloride	92		97		70-130	5		30
1,1,1-Trichloroethane	84		88		70-130	5		30
2-Butanone	94		103		70-130	9		30
Benzene	82		85		70-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST STREET

Lab Number: L2213931

Project Number: 30108678.03C

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16 Batch: WG1622033-3 WG1622033-4								
1,2-Dichloroethane	96		102		70-130	6		30
Methyl cyclohexane	86		90		70-130	5		30
Trichloroethene	83		88		70-130	6		30
1,2-Dichloropropane	98		104		70-130	6		30
Bromodichloromethane	81		86		70-130	6		30
1,4-Dioxane	94		102		65-136	8		30
cis-1,3-Dichloropropene	88		93		70-130	6		30
Toluene	81		85		70-130	5		30
4-Methyl-2-pentanone	107		115		70-130	7		30
Tetrachloroethene	88		90		70-130	2		30
trans-1,3-Dichloropropene	85		90		70-130	6		30
1,1,2-Trichloroethane	78		81		70-130	4		30
Dibromochloromethane	86		91		70-130	6		30
1,2-Dibromoethane	90		94		70-130	4		30
2-Hexanone	92		98		70-130	6		30
Chlorobenzene	86		89		70-130	3		30
Ethylbenzene	83		86		70-130	4		30
p/m-Xylene	88		92		70-130	4		30
o-Xylene	87		90		70-130	3		30
Styrene	84		88		70-130	5		30
Bromoform	80		83		70-130	4		30
Isopropylbenzene	93		97		70-130	4		30
1,1,2,2-Tetrachloroethane	81		86		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16 Batch: WG1622033-3 WG1622033-4								
1,3,5-Trimethylbenzene	91		94		70-130	3		30
1,2,4-Trimethylbenzene	92		95		70-130	3		30
1,3-Dichlorobenzene	91		94		70-130	3		30
1,4-Dichlorobenzene	89		94		70-130	5		30
1,2-Dichlorobenzene	89		93		70-130	4		30
1,2-Dibromo-3-chloropropane	81		88		68-130	8		30
1,2,4-Trichlorobenzene	87		93		70-130	7		30
Naphthalene	84		92		70-130	9		30
1,2,3-Trichlorobenzene	82		88		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		102		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	97		99		70-130

INORGANICS & MISCELLANEOUS

Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-01**Client ID:** MW-8 (5.5-6)**Sample Location:** PHILA., PA**Date Collected:** 03/16/22 12:10**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-02**Client ID:** SB-201 (8.5-9)**Sample Location:** PHILA., PA**Date Collected:** 03/16/22 14:05**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.4		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-03**Client ID:** SB-202 (8.5-9)**Sample Location:** PHILA., PA**Date Collected:** 03/16/22 14:20**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.9		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-04**Client ID:** SB-203 (8.5-9)**Sample Location:** PHILA., PA**Date Collected:** 03/16/22 14:30**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	59.5		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-05**Client ID:** SB-204 (8.5-9)**Sample Location:** PHILA., PA**Date Collected:** 03/16/22 14:35**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.7		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-06**Client ID:** SB-205 (3.5-4)**Sample Location:** PHILA., PA**Date Collected:** 03/16/22 14:45**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-07**Client ID:** SB-206 (2.5-3)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 08:35**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	57.9		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-08**Client ID:** SB-207 (4-4.5)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 08:50**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.4		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-09**Client ID:** SB-208 (4-4.5)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 09:00**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-10**Client ID:** SB-209 (3.5-4)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 09:25**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	58.0		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-11**Client ID:** SB-210 (4-4.5)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 09:35**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-12
Client ID: SB-211 (3.5-4)
Sample Location: PHILA., PA

Date Collected: 03/17/22 09:40
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.7		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-13**Client ID:** SB-212 (4.5-5)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 10:00**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.8		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-14**Client ID:** SB-213 (4-4.5)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 10:10**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.5		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-15**Client ID:** SB-214 (4-4.5)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 10:20**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-16**Client ID:** SB-215 (4.5-5)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 10:30**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.1		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET

Project Number: 30108678.03C

Lab Number: L2213931

Report Date: 04/12/22

SAMPLE RESULTS

Lab ID: L2213931-17

Client ID: SB-216 (3.5-4)

Sample Location: PHILA., PA

Date Collected: 03/17/22 10:40

Date Received: 03/17/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.3		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-18**Client ID:** SB-217 (8.5-9)**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 11:25**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22**SAMPLE RESULTS****Lab ID:** L2213931-19**Client ID:** DUP-1**Sample Location:** PHILA., PA**Date Collected:** 03/17/22 00:00**Date Received:** 03/17/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.1		%	0.100	NA	1	-	03/18/22 11:55	121,2540G	RI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** ALLIANCE 51ST STREET**Project Number:** 30108678.03C**Lab Number:** L2213931**Report Date:** 04/12/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-19 QC Batch ID: WG1617107-1 QC Sample: L2213931-01 Client ID: MW-8 (5.5-6)						
Solids, Total	92.0	92.9	%	1		20

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2213931-01A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-01B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-01C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-01D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-01X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-01Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-01Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-02A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-02B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-02C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-02D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-02X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-02Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-02Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-03A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-03B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-03C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-03D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-03X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-03Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-03Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-04A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-04B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2213931-04C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-04D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-04X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-04Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-04Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-05A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-05B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-05C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-05D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-05X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-05Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-05Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-06A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-06B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-06C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-06D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-06X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-06Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-06Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-07A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-07B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-07C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-07D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-07X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-07Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-07Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-08A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-08B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2213931-08C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-08D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-08X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-08Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260H(14),PA-8260HLW(14)
L2213931-08Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260H(14),PA-8260HLW(14)
L2213931-09A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-09B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-09C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-09D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-09X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-09Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-09Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-10A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-10B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-10C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-10D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-10X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-10Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-10Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-11A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-11B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-11C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-11D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-11X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-11Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-11Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-12A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-12B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2213931**Project Number:** 30108678.03C**Report Date:** 04/12/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2213931-12C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-12D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-12X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-12Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-12Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-13A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-13B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-13C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-13D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-13X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-13Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-13Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-14A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-14B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-14C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-14D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-14X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-14Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-14Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-15A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-15B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-15C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-15D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-15X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-15Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-15Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-16A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-16B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Serial_No:04122219:55
Lab Number: L2213931
Report Date: 04/12/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2213931-16C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-16D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-16X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-16Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260H(14),PA-8260HLW(14)
L2213931-16Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260H(14),PA-8260HLW(14)
L2213931-17A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-17B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-17C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-17D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-17X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-17Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260H(14),PA-8260HLW(14)
L2213931-17Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260H(14),PA-8260HLW(14)
L2213931-18A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-18B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-18C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-18D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-18X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260HLW(14)
L2213931-18Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-18Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260HLW(14)
L2213931-19A	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-19B	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-19C	5 gram Encore Sampler	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-19D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L2213931-19X	Vial MeOH preserved split	A	NA		3.8	Y	Absent		PA-8260H(14),PA-8260HLW(14)
L2213931-19Y	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260H(14),PA-8260HLW(14)
L2213931-19Z	Vial Water preserved split	A	NA		3.8	Y	Absent	18-MAR-22 08:14	PA-8260H(14),PA-8260HLW(14)
L2213931-20A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2213931-20B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Serial_No:04122219:55
Lab Number: L2213931
Report Date: 04/12/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2213931-20C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2213931-21A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2213931-21B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678.03C

Lab Number: L2213931
Report Date: 04/12/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

Service Centers

Page

(of }

03/18/20

ALPHA Job #

L 2213931

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

Email: Larry.Brown@usdoj.gov

Rush (only if pre approved) ☐ # of Days:

☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other


Petroleum Product:

[illegible]

1

4x, 3/17/22 20:

3/5/22 oas

 NEW JERSEY CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 2 of 3		Date Rec'd in Lab 03/18/22		ALPHA Job # L2213931	
Client Information Client: <i>Algodis</i> Address: <i>1 Harvard Way Ste 4</i> <i>Hillsborough NJ</i> Phone: <i>908-926-1000</i> Fax: Email: <i>Larry.Brent@algodis.com</i>		Project Information Project Name: <i>Alliance 41st St</i> Project Location: <i>Philly, PA</i> Project # <i>30108678, C3C</i> (Use Project name as Project #) <input type="checkbox"/> Project Manager: <i>Larry Rishin</i> ALPHAQuote #: Turn-Around Time: Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Deliverables <input type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #		Regulatory Requirement <input type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other	
These samples have been previously analyzed by Alpha <input type="checkbox"/>		For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2		For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011		Other project specific requirements/comments: Please specify Metals or TAL.		ANALYSIS	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
13931 -11		SR-21C (4.4.5)		7/17/22 935		Soil		MH	
-12		SR-211 (3.5-4)		940		Soil		MH	
-13		SR-212 (4.5-5)		1000		Soil		MH	
-14		SR-213 (4.4.5)		1010		Soil		MH	
-15		SR-214 (4.4.5)		1020		Soil		MH	
-16		SR-215 (4.5-5)		1030		Soil		MH	
-17		SR-216 (3.5-4)		1040		Soil		MH	
-18		SR-217 (5.5-9)		1125		Soil		MH	
-19		D.P.1		X		Soil		MH	
-20		Field Blank		1135		AG		MH	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type E AV		Preservative A B	
Form No: 01-14 HC (rev. 30-Sept-2013)		Relinquished By: <i>Matt Milich</i>		Date/Time 3/17/22 1230		Received By: <i>[Signature]</i>		Date/Time 3/17/22 1230	
		<i>[Signature]</i>		3/17/22 1710		<i>[Signature]</i>		3/17/22 1720	
		<i>[Signature]</i>		3/17/22 2030		<i>[Signature]</i>		3/17/22 2030	
		<i>[Signature]</i>		3/18/22 0300		<i>[Signature]</i>		3/18/22 0300	
		<i>[Signature]</i>		3/18/22 0300		<i>[Signature]</i>		3/18/22 0300	

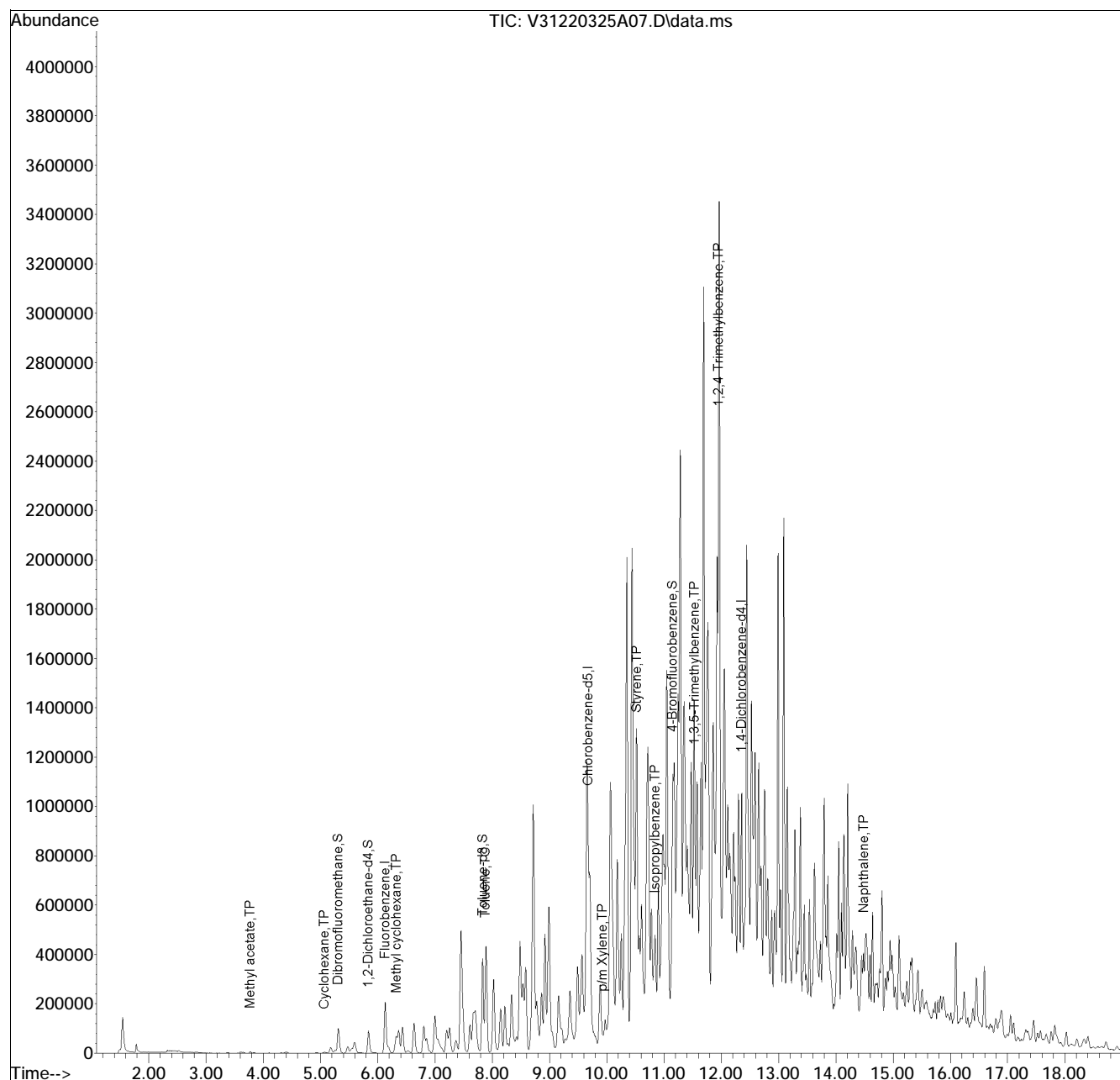
[illegible]

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA131\2022\220325A\
Data File : V31220325A07.D
Acq On : 25 Mar 2022 09:42 am
Operator : VOA131:KJD
Sample : L2213931-02D,31H,4.23,5,0.020,,X
Misc : WG1620539,ICAL18820
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 07 15:43:20 2022
Quant Method : I:\VOLATILES\VOA131\2022\220325A\V31_220310A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 10 16:17:49 2022
Response via : Initial Calibration

Sub List : 8260-NJTCL+3+TBA - Standard NJ Sublist plus N,135/124TMB

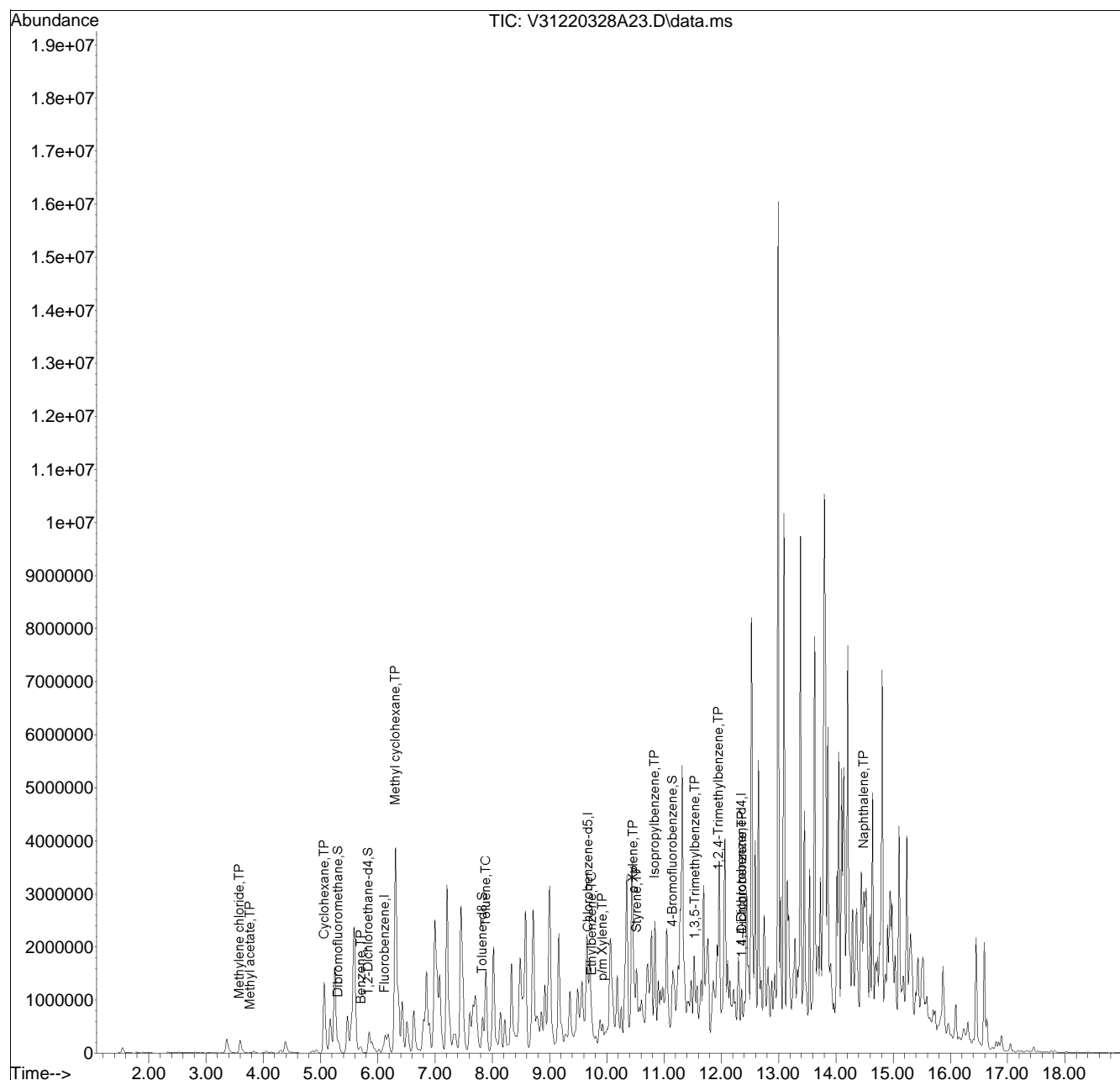


Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA131\2022\220328A\
 Data File : V31220328A23.D
 Acq On : 28 Mar 2022 05:16 pm
 Operator : VOA131:KJD
 Sample : 12213931-04,31H,3.40,5,0.100,,x
 Misc : WG1620539,ICAL18820
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 29 11:15:30 2022
 Quant Method : I:\VOLATILES\VOA131\2022\220328A\V31_220310A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Mar 10 16:17:49 2022
 Response via : Initial Calibration

Sub List : 8260-NJTCL+3+TBA - Standard NJ Sublist plus N,135/124TMB

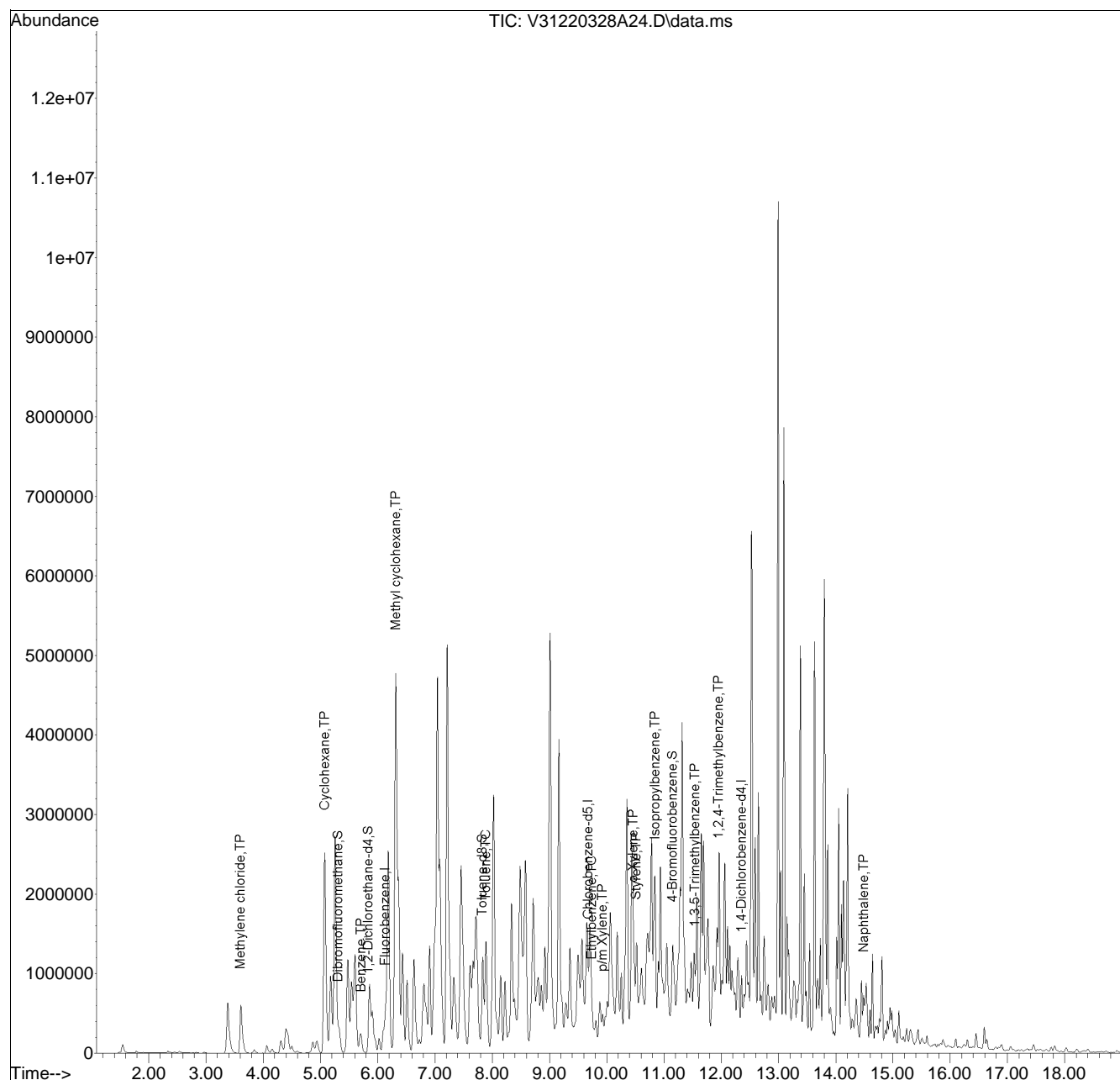


Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA131\2022\220328A\
Data File : V31220328A24.D
Acq On : 28 Mar 2022 05:39 pm
Operator : VOA131:KJD
Sample : 12213931-05D,31H,4.70,5,0.020,,x
Misc : WG1620539,ICAL18820
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 29 11:16:28 2022
Quant Method : I:\VOLATILES\VOA131\2022\220328A\V31_220310A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 10 16:17:49 2022
Response via : Initial Calibration

Sub List : 8260-NJTCL+3+TBA - Standard NJ Sublist plus N,135/124TMB

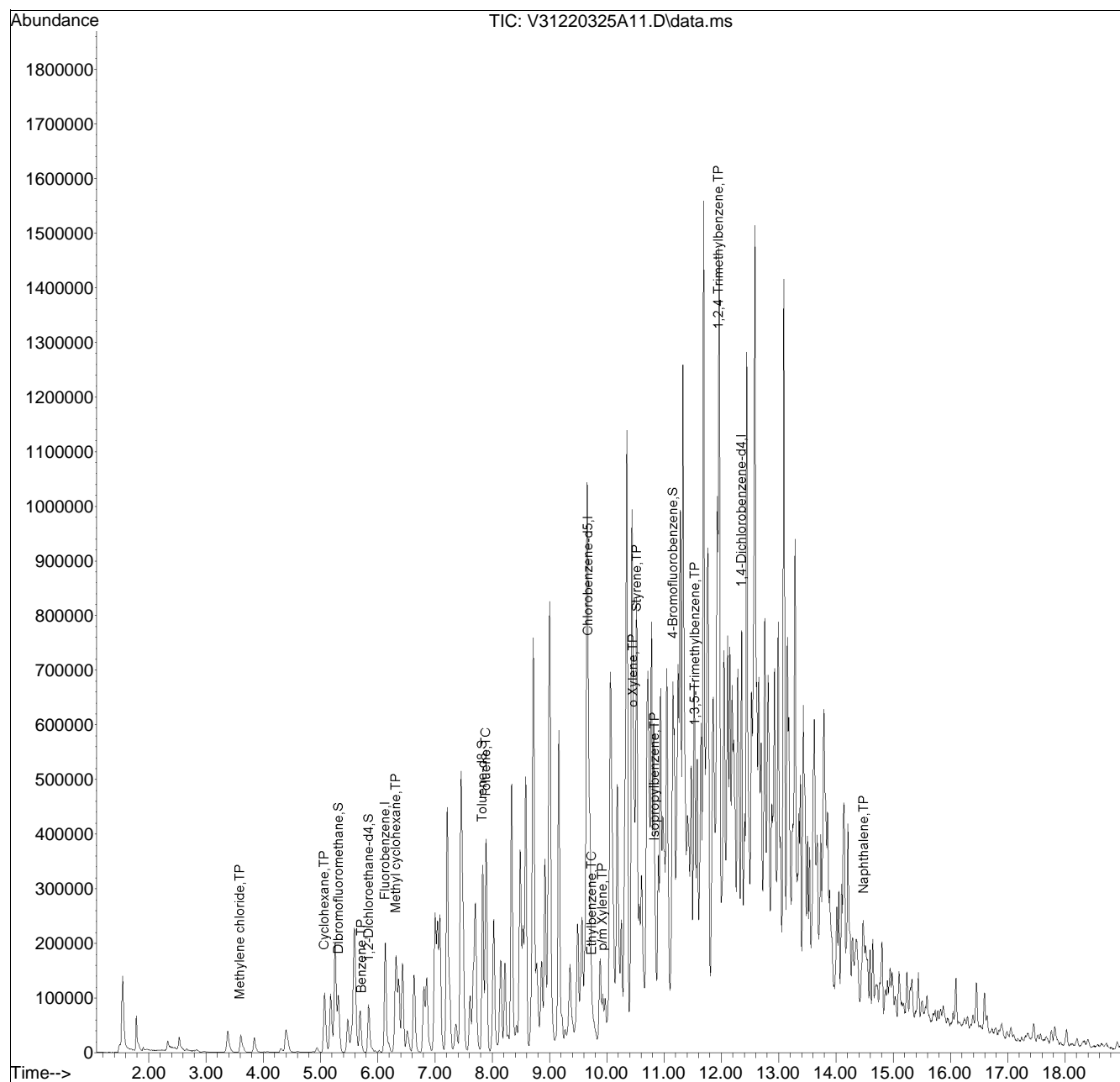


Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA131\2022\220325A\
Data File : V31220325A11.D
Acq On : 25 Mar 2022 11:16 am
Operator : VOA131:KJD
Sample : L2213931-06D,31H,5.07,5,0.020,,X
Misc : WG1620539,ICAL18820
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 28 09:07:58 2022
Quant Method : I:\VOLATILES\VOA131\2022\220325A\V31_220310A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 10 16:17:49 2022
Response via : Initial Calibration

Sub List : 8260-NJTCL+3+TBA - Standard NJ Sublist plus N,135/124TMB

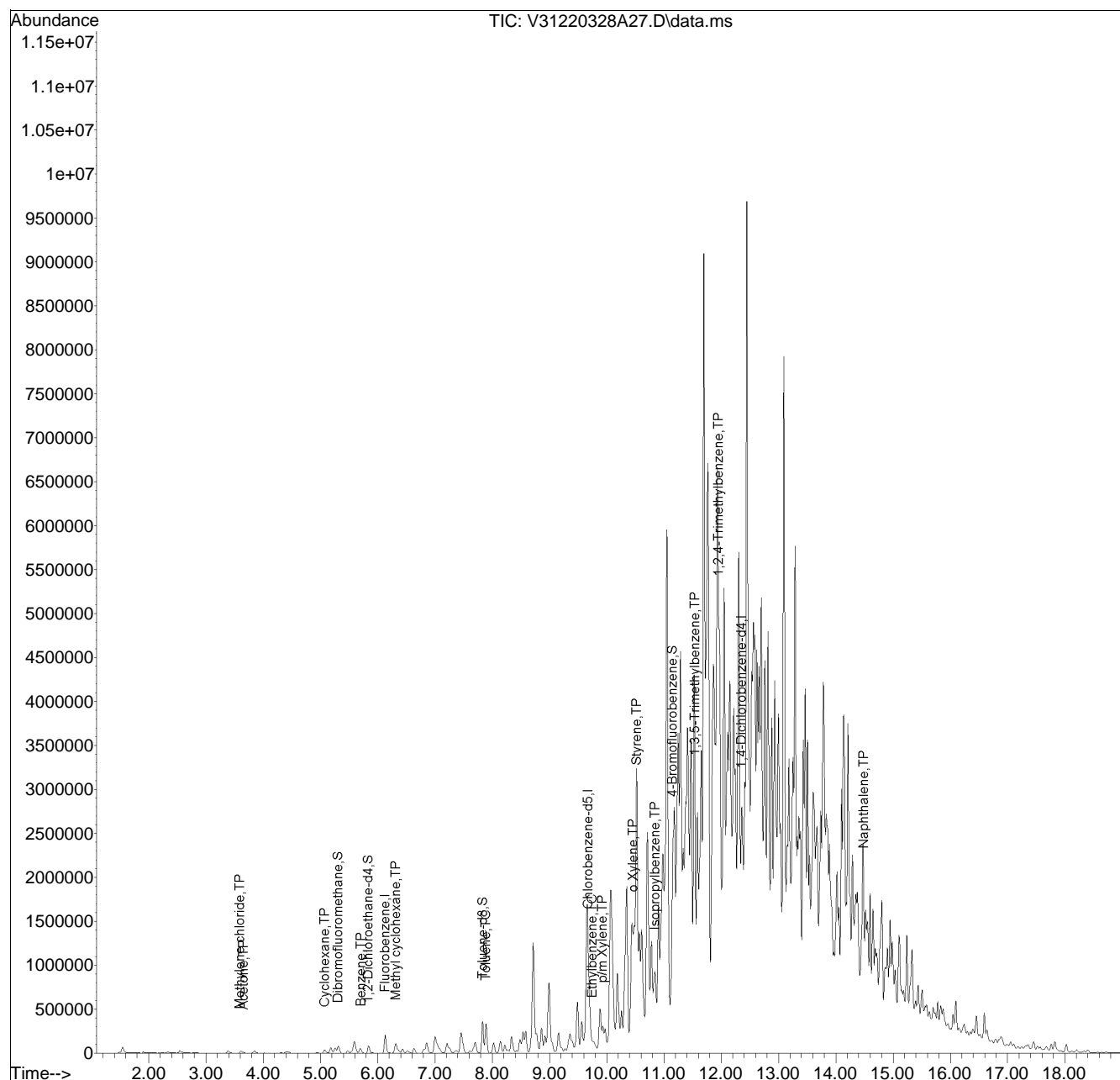


Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA131\2022\220328A\
Data File : V31220328A27.D
Acq On : 28 Mar 2022 06:48 pm
Operator : VOA131:KJD
Sample : 12213931-07,31,4.23,5,,z
Misc : WG1621094,ICAL18820
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 29 11:18:27 2022
Quant Method : I:\VOLATILES\VOA131\2022\220328A\V31_220310A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 10 16:17:49 2022
Response via : Initial Calibration

Sub List : 8260-NJTCL+3+TBA - Standard NJ Sublist plus N,135/124TMB

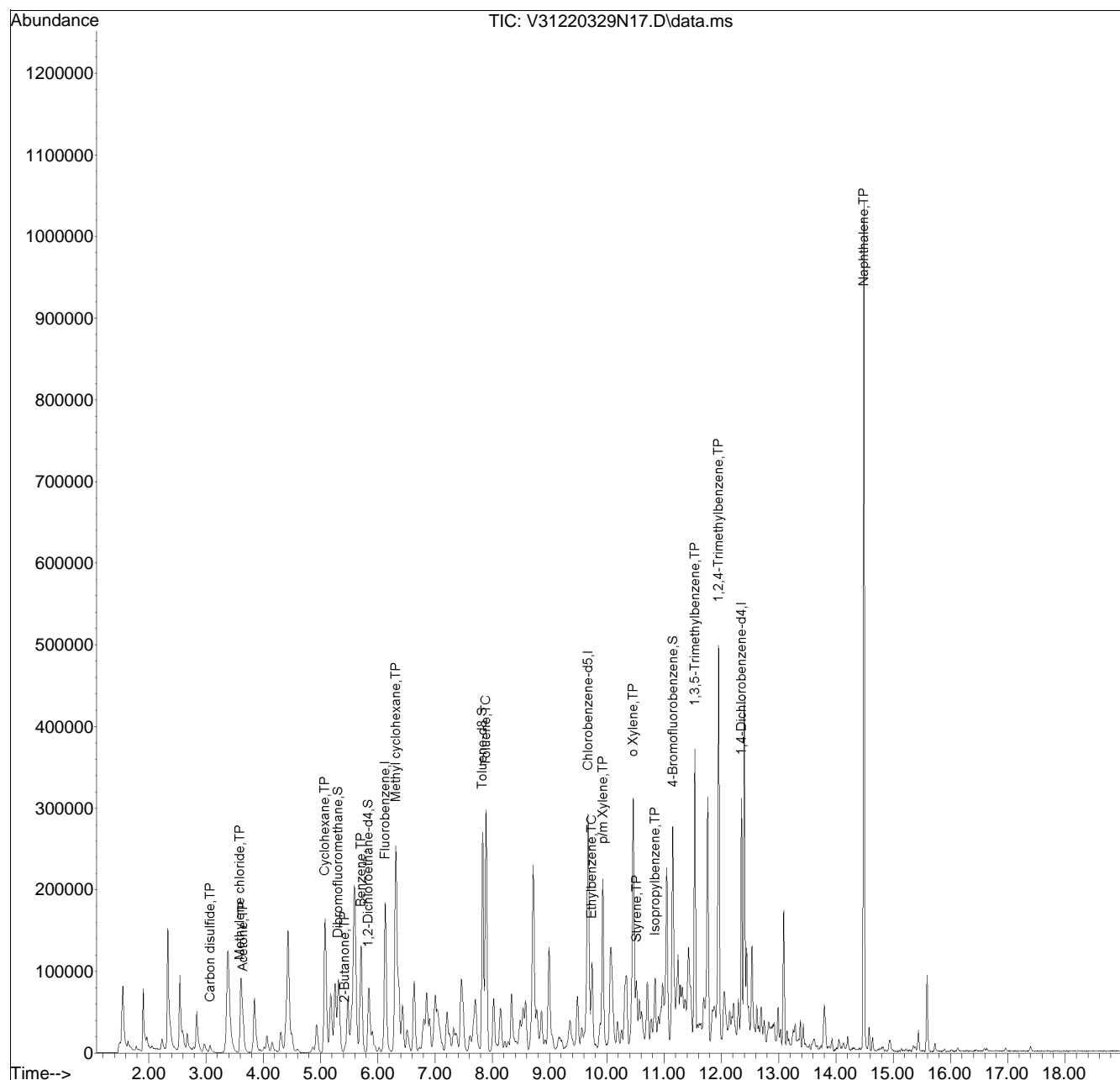


Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA131\2022\220329N\
 Data File : V31220329N17.D
 Acq On : 29 Mar 2022 09:16 pm
 Operator : VOA131:KJD
 Sample : 12213931-08,31,4.72,5,,y
 Misc : WG1621453,ICAL18820
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 30 07:46:50 2022
 Quant Method : I:\VOLATILES\VOA131\2022\220329N\V31_220310A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Mar 10 16:17:49 2022
 Response via : Initial Calibration

Sub List : 8260-NJTCL+3+TBA - Standard NJ Sublist plus N,135/124TMB

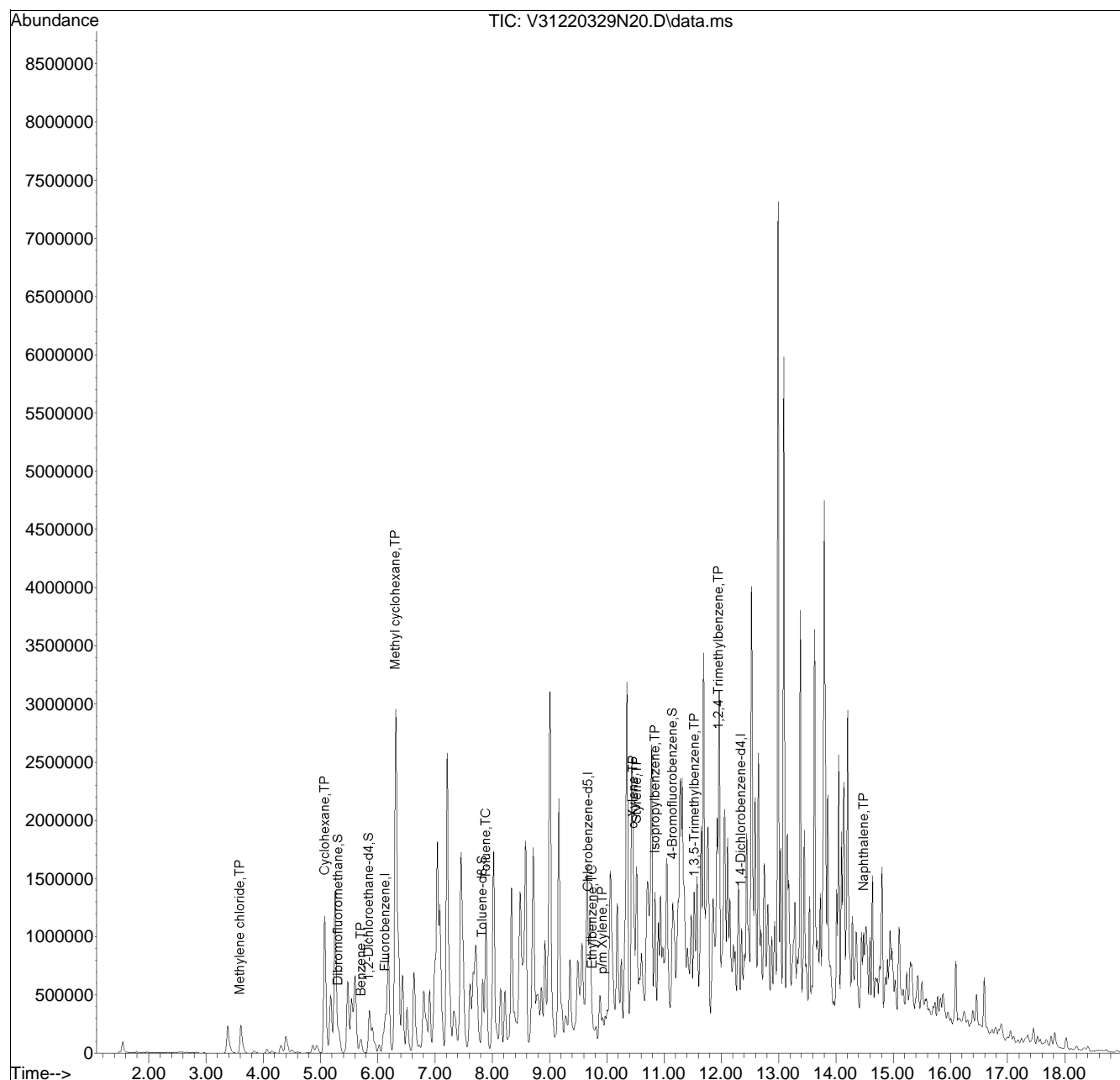


Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA131\2022\220329N\
 Data File : V31220329N20.D
 Acq On : 29 Mar 2022 10:25 pm
 Operator : VOA131:KJD
 Sample : 12213931-18D,31H,4.62,5,0.020,,x
 Misc : WG1621455,ICAL18820
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 30 07:49:34 2022
 Quant Method : I:\VOLATILES\VOA131\2022\220329N\V31_220310A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Mar 10 16:17:49 2022
 Response via : Initial Calibration

Sub List : 8260-NJTCL+3+TBA - Standard NJ Sublist plus N,135/124TMB





ANALYTICAL REPORT

Lab Number:	L2216990
Client:	Arcadis U.S., Inc 1 Harvard Way Suite 5 Hillsborough, NJ 08844
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	ALLIANCE 51ST ST
Project Number:	30108678.03B
Report Date:	04/22/22

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

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



Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2216990-01	MW-1	WATER	PHILA, PA	04/01/22 12:55	04/01/22
L2216990-02	MW-2	WATER	PHILA, PA	04/01/22 14:35	04/01/22
L2216990-03	MW-3	WATER	PHILA, PA	04/01/22 13:00	04/01/22
L2216990-04	MW-4	WATER	PHILA, PA	04/01/22 11:35	04/01/22
L2216990-05	MW-5	WATER	PHILA, PA	04/01/22 10:30	04/01/22
L2216990-06	MW-7	WATER	PHILA, PA	04/01/22 14:00	04/01/22
L2216990-07	MW-8	WATER	PHILA, PA	04/01/22 11:40	04/01/22
L2216990-08	MW-9	WATER	PHILA, PA	04/01/22 10:30	04/01/22
L2216990-09	DUP-1	WATER	PHILA, PA	04/01/22 00:00	04/01/22
L2216990-10	FIELD BLANK	WATER	PHILA, PA	04/01/22 14:30	04/01/22
L2216990-11	TRIP BLANK	WATER	PHILA, PA	04/01/22 00:00	04/01/22

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

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: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2216990-04 and -08: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

L2216990-08: The surrogate recovery is below the acceptance criteria for dibromofluoromethane (37%), possibly due to the matrix effect caused by the high pH of the sample (>10).

Volatile Organics by SIM

L2216990-04 and -08: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

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:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 04/22/22

ORGANICS

VOLATILES

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-01
Client ID: MW-1
Sample Location: PHILA, PA

Date Collected: 04/01/22 12:55
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/13/22 15:03
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	9.5	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.98		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-01
Client ID: MW-1
Sample Location: PHILA, PA

Date Collected: 04/01/22 12:55
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	0.78		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	1.9		ug/l	1.0	0.33	1
o-Xylene	0.65	J	ug/l	1.0	0.39	1
Xylenes, Total	2.6	J	ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	2.2		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	82		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-01
Client ID: MW-1
Sample Location: PHILA, PA

Date Collected: 04/01/22 12:55
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/13/22 15:03
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	88			70-130		
4-Bromofluorobenzene	107			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-02
Client ID: MW-2
Sample Location: PHILA, PA

Date Collected: 04/01/22 14:35
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/12/22 12:15
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	0.36	J	ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	4.6	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	2.4		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	3.6	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	3.3		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	2.7	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS****Lab ID:** L2216990-02**Date Collected:** 04/01/22 14:35**Client ID:** MW-2**Date Received:** 04/01/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	1.6		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	0.37	J	ug/l	0.50	0.17	1
p/m-Xylene	1.9		ug/l	1.0	0.33	1
o-Xylene	4.1		ug/l	1.0	0.39	1
Xylenes, Total	6.0		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	0.38	J	ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	4.0		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	3.3		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	6.6		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	105		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-02
Client ID: MW-2
Sample Location: PHILA, PA

Date Collected: 04/01/22 14:35
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 12:15
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
4-Bromofluorobenzene	100		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-03
Client ID: MW-3
Sample Location: PHILA, PA

Date Collected: 04/01/22 13:00
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/12/22 12:39
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	5.7		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-03
Client ID: MW-3
Sample Location: PHILA, PA

Date Collected: 04/01/22 13:00
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-03
Client ID: MW-3
Sample Location: PHILA, PA

Date Collected: 04/01/22 13:00
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 12:39
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	112			70-130		
4-Bromofluorobenzene	109			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-04
Client ID: MW-4
Sample Location: PHILA, PA

Date Collected: 04/01/22 11:35
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/12/22 13:04
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	12		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS****Lab ID:** L2216990-04**Date Collected:** 04/01/22 11:35**Client ID:** MW-4**Date Received:** 04/01/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	110		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-04
Client ID: MW-4
Sample Location: PHILA, PA

Date Collected: 04/01/22 11:35
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 13:04
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	112			70-130		
4-Bromofluorobenzene	109			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-05
Client ID: MW-5
Sample Location: PHILA, PA

Date Collected: 04/01/22 10:30
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/12/22 13:28
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST

Lab Number: L2216990

Project Number: 30108678.03B

Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-05

Date Collected: 04/01/22 10:30

Client ID: MW-5

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-05
Client ID: MW-5
Sample Location: PHILA, PA

Date Collected: 04/01/22 10:30
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 13:28
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	113			70-130		
4-Bromofluorobenzene	109			70-130		

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-06

Date Collected: 04/01/22 14:00

Client ID: MW-7

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/12/22 13:52

Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	0.64	J	ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	0.83	J	ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	7.7	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	53		ug/l	0.50	0.16	1
1,2-Dichloroethane	0.66		ug/l	0.50	0.13	1
Methyl cyclohexane	8.2	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS****Lab ID:** L2216990-06**Date Collected:** 04/01/22 14:00**Client ID:** MW-7**Date Received:** 04/01/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	7.0		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	7.0		ug/l	0.50	0.17	1
p/m-Xylene	8.5		ug/l	1.0	0.33	1
o-Xylene	3.8		ug/l	1.0	0.39	1
Xylenes, Total	12		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	2.3		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	13		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	33		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	7.5		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	100		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-06
Client ID: MW-7
Sample Location: PHILA, PA

Date Collected: 04/01/22 14:00
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 13:52
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	106			70-130		
4-Bromofluorobenzene	111			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-07
Client ID: MW-8
Sample Location: PHILA, PA

Date Collected: 04/01/22 11:40
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/12/22 14:17
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	5.8	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	5.2	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-07

Date Collected: 04/01/22 11:40

Client ID: MW-8

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	0.22	J	ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	3.0		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	0.25	J	ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	0.36	J	ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	93		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-07
Client ID: MW-8
Sample Location: PHILA, PA

Date Collected: 04/01/22 11:40
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 14:17
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	97			70-130		
4-Bromofluorobenzene	114			70-130		

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-08

Date Collected: 04/01/22 10:30

Client ID: MW-9

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/12/22 14:41

Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	110		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	0.34	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	22		ug/l	5.0	1.9	1
Benzene	1.3		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	3.6	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-08
Client ID: MW-9
Sample Location: PHILA, PA

Date Collected: 04/01/22 10:30
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	14		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	3.7	J	ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	17		ug/l	0.50	0.17	1
p/m-Xylene	110		ug/l	1.0	0.33	1
o-Xylene	81		ug/l	1.0	0.39	1
Xylenes, Total	190		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	8.8		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	60		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	180		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	150		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	37	Q	70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-08
Client ID: MW-9
Sample Location: PHILA, PA

Date Collected: 04/01/22 10:30
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 14:41
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	104			70-130		
4-Bromofluorobenzene	108			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-09
Client ID: DUP-1
Sample Location: PHILA, PA

Date Collected: 04/01/22 00:00
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/12/22 15:05
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	0.59	J	ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	0.87	J	ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	8.2	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	50		ug/l	0.50	0.16	1
1,2-Dichloroethane	0.58		ug/l	0.50	0.13	1
Methyl cyclohexane	8.4	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS****Lab ID:** L2216990-09**Date Collected:** 04/01/22 00:00**Client ID:** DUP-1**Date Received:** 04/01/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	7.2		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	7.2		ug/l	0.50	0.17	1
p/m-Xylene	8.9		ug/l	1.0	0.33	1
o-Xylene	4.0		ug/l	1.0	0.39	1
Xylenes, Total	13		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	2.7		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	14		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	34		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	8.8		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	125		70-130
Dibromofluoromethane	91		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-09
Client ID: DUP-1
Sample Location: PHILA, PA

Date Collected: 04/01/22 00:00
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 15:05
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
4-Bromofluorobenzene	121		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-10
Client ID: FIELD BLANK
Sample Location: PHILA, PA

Date Collected: 04/01/22 14:30
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/12/22 15:29
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS****Lab ID:** L2216990-10**Date Collected:** 04/01/22 14:30**Client ID:** FIELD BLANK**Date Received:** 04/01/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	96		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-10
Client ID: FIELD BLANK
Sample Location: PHILA, PA

Date Collected: 04/01/22 14:30
Date Received: 04/01/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 15:29
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	99			70-130		
4-Bromofluorobenzene	117			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-11
Client ID: TRIP BLANK
Sample Location: PHILA, PA

Date Collected: 04/01/22 00:00
Date Received: 04/01/22
Field Prep: None

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/12/22 09:25
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS****Lab ID:** L2216990-11**Date Collected:** 04/01/22 00:00**Client ID:** TRIP BLANK**Date Received:** 04/01/22**Sample Location:** PHILA, PA**Field Prep:** None**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	108		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

SAMPLE RESULTS

Lab ID: L2216990-11
Client ID: TRIP BLANK
Sample Location: PHILA, PA

Date Collected: 04/01/22 00:00
Date Received: 04/01/22
Field Prep: None

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 09:25
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
4-Bromofluorobenzene	110		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/12/22 08:37
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02-11 Batch: WG1626541-5					
1,4-Dioxane	ND		ug/l	3.0	1.1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
4-Bromofluorobenzene	111		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/12/22 08:37
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-11 Batch: WG1626543-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Cyclohexane	ND		ug/l	10	0.27
Bromochloromethane	ND		ug/l	2.5	0.15
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Methyl cyclohexane	ND		ug/l	10	0.40
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/12/22 08:37
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-11 Batch: WG1626543-5					
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
Naphthalene	ND		ug/l	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/12/22 08:37
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-11 Batch: WG1626543-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	107		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 04/13/22 12:17
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1627006-5					
1,4-Dioxane	ND		ug/l	3.0	1.1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
4-Bromofluorobenzene	99		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/13/22 05:24
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1627030-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Cyclohexane	ND		ug/l	10	0.27
Bromochloromethane	ND		ug/l	2.5	0.15
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Methyl cyclohexane	ND		ug/l	10	0.40
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/13/22 05:24
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1627030-5					
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
Naphthalene	ND		ug/l	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/13/22 05:24
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1627030-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2216990

Report Date: 04/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-11 Batch: WG1626541-3 WG1626541-4								
1,4-Dioxane	130		130		70-130	0		25
1,1,2,2-Tetrachloroethane	104		108		70-130	4		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		108		70-130
4-Bromofluorobenzene	108		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2216990

Report Date: 04/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-11 Batch: WG1626543-3 WG1626543-4								
Dichlorodifluoromethane	120		120		36-147	0		20
Chloromethane	150	Q	150	Q	64-130	0		20
Vinyl chloride	110		120		55-140	9		20
Bromomethane	67		77		39-139	14		20
Chloroethane	100		100		55-138	0		20
Trichlorofluoromethane	93		92		62-150	1		20
1,1-Dichloroethene	99		100		61-145	1		20
Carbon disulfide	110		110		51-130	0		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		100		70-130	0		20
Methylene chloride	100		100		70-130	0		20
Acetone	120		120		58-148	0		20
trans-1,2-Dichloroethene	99		99		70-130	0		20
Methyl Acetate	140	Q	140	Q	70-130	0		20
Methyl tert butyl ether	87		90		63-130	3		20
1,1-Dichloroethane	110		110		70-130	0		20
cis-1,2-Dichloroethene	98		100		70-130	2		20
Cyclohexane	130		130		70-130	0		20
Bromochloromethane	100		100		70-130	0		20
Chloroform	99		98		70-130	1		20
Carbon tetrachloride	94		93		63-132	1		20
1,1,1-Trichloroethane	93		92		67-130	1		20
2-Butanone	130		130		63-138	0		20
Benzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2216990

Report Date: 04/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-11 Batch: WG1626543-3 WG1626543-4								
1,2-Dichloroethane	100		100		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Bromodichloromethane	93		91		67-130	2		20
cis-1,3-Dichloropropene	94		95		70-130	1		20
Toluene	100		100		70-130	0		20
Tetrachloroethene	95		92		70-130	3		20
4-Methyl-2-pentanone	120		130		59-130	8		20
trans-1,3-Dichloropropene	99		99		70-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Dibromochloromethane	100		98		63-130	2		20
1,2-Dibromoethane	100		100		70-130	0		20
2-Hexanone	130		130		57-130	0		20
Chlorobenzene	100		100		75-130	0		20
Ethylbenzene	100		100		70-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Bromoform	90		89		54-136	1		20
Isopropylbenzene	100		110		70-130	10		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2216990

Report Date: 04/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-11 Batch: WG1626543-3 WG1626543-4								
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	100		98		41-144	2		20
1,2,4-Trichlorobenzene	83		86		70-130	4		20
Naphthalene	89		92		70-130	3		20
1,2,3-Trichlorobenzene	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		94		70-130
Toluene-d8	107		110		70-130
4-Bromofluorobenzene	102		107		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST ST

Lab Number: L2216990

Project Number: 30108678.03B

Report Date: 04/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1627006-3 WG1627006-4								
1,4-Dioxane	80		78		70-130	3		25
1,1,2,2-Tetrachloroethane	103		111		70-130	7		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		113		70-130
4-Bromofluorobenzene	96		100		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2216990

Report Date: 04/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1627030-3 WG1627030-4								
Dichlorodifluoromethane	100		100		36-147	0		20
Chloromethane	100		110		64-130	10		20
Vinyl chloride	99		100		55-140	1		20
Bromomethane	96		96		39-139	0		20
Chloroethane	96		110		55-138	14		20
Trichlorofluoromethane	110		110		62-150	0		20
1,1-Dichloroethene	100		110		61-145	10		20
Carbon disulfide	98		100		51-130	2		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		110		70-130	0		20
Methylene chloride	98		100		70-130	2		20
Acetone	110		110		58-148	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Methyl Acetate	92		95		70-130	3		20
Methyl tert butyl ether	96		99		63-130	3		20
1,1-Dichloroethane	99		100		70-130	1		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Cyclohexane	99		100		70-130	1		20
Bromochloromethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,1,1-Trichloroethane	100		110		67-130	10		20
2-Butanone	89		86		63-138	3		20
Benzene	100		98		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2216990

Report Date: 04/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1627030-3 WG1627030-4								
1,2-Dichloroethane	100		100		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichloropropane	97		100		70-130	3		20
Bromodichloromethane	98		100		67-130	2		20
cis-1,3-Dichloropropene	99		98		70-130	1		20
Toluene	98		94		70-130	4		20
Tetrachloroethene	110		100		70-130	10		20
4-Methyl-2-pentanone	87		92		59-130	6		20
trans-1,3-Dichloropropene	98		95		70-130	3		20
1,1,2-Trichloroethane	96		96		70-130	0		20
Dibromochloromethane	98		95		63-130	3		20
1,2-Dibromoethane	96		94		70-130	2		20
2-Hexanone	87		91		57-130	4		20
Chlorobenzene	100		96		75-130	4		20
Ethylbenzene	98		97		70-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	100		95		70-130	5		20
Styrene	100		100		70-130	0		20
Bromoform	95		96		54-136	1		20
Isopropylbenzene	93		94		70-130	1		20
1,3,5-Trimethylbenzene	95		95		64-130	0		20
1,2,4-Trimethylbenzene	96		96		70-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2216990

Report Date: 04/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1627030-3 WG1627030-4								
1,3-Dichlorobenzene	98		96		70-130	2		20
1,4-Dichlorobenzene	99		96		70-130	3		20
1,2-Dichlorobenzene	97		96		70-130	1		20
1,2-Dibromo-3-chloropropane	91		94		41-144	3		20
1,2,4-Trichlorobenzene	100		98		70-130	2		20
Naphthalene	98		93		70-130	5		20
1,2,3-Trichlorobenzene	100		97		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		105		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	90		95		70-130
Dibromofluoromethane	102		106		70-130

METALS

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-01

Date Collected: 04/01/22 12:55

Client ID: MW-1

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	04/11/22 17:55	04/18/22 00:00	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-02

Date Collected: 04/01/22 14:35

Client ID: MW-2

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	04/11/22 17:55	04/18/22 00:04	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-03

Date Collected: 04/01/22 13:00

Client ID: MW-3

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	04/11/22 17:55	04/18/22 00:09	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-04

Date Collected: 04/01/22 11:35

Client ID: MW-4

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	0.5101	J	ug/l	1.000	0.3430	1	04/11/22 17:55	04/18/22 00:14	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-05

Date Collected: 04/01/22 10:30

Client ID: MW-5

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	04/11/22 17:55	04/18/22 00:19	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-06

Date Collected: 04/01/22 14:00

Client ID: MW-7

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	1.786		ug/l	1.000	0.3430	1	04/11/22 17:55	04/18/22 00:24	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-07

Date Collected: 04/01/22 11:40

Client ID: MW-8

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	04/11/22 17:55	04/18/22 00:29	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-08

Date Collected: 04/01/22 10:30

Client ID: MW-9

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	65.15		ug/l	1.000	0.3430	1	04/11/22 17:55	04/18/22 00:33	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-09

Date Collected: 04/01/22 00:00

Client ID: DUP-1

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	2.161		ug/l	1.000	0.3430	1	04/11/22 17:55	04/18/22 00:38	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**SAMPLE RESULTS**

Lab ID: L2216990-10

Date Collected: 04/01/22 14:30

Client ID: FIELD BLANK

Date Received: 04/01/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	04/11/22 17:55	04/17/22 23:55	EPA 3005A	1,6020B	WP



Project Name: ALLIANCE 51ST ST

Lab Number: L2216990

Project Number: 30108678.03B

Report Date: 04/22/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1625216-1										
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	04/11/22 17:55	04/17/22 22:57	1,6020B	WP

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control**Project Name:** ALLIANCE 51ST ST**Project Number:** 30108678.03B**Lab Number:** L2216990**Report Date:** 04/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1625216-2								
Lead, Dissolved	104		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1625216-3 WG1625216-4 QC Sample: L2216191-08 Client ID: MS Sample												
Lead, Dissolved	ND	530	529.2	100		532.1	100		75-125	1		20

Project Name: ALLIANCE 51ST ST**Lab Number:** L2216990**Project Number:** 30108678.03B**Report Date:** 04/22/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2216990-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-01D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-02A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-02B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-02C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-02D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-03A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-03B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-03C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-03D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-04A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-04B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-04C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-04D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-05A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-05B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-05C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-05D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-06A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-06B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-06C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Serial_No:04222214:32
Lab Number: L2216990
Report Date: 04/22/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2216990-06D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-07A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-07B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-07C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-07D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-08A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-08B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-08C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-08D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-09A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-09B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-09C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-09D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-10A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-10B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-10C	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-10D	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		PB-6020S-PPB(180)
L2216990-11A	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2216990-11B	Vial HCl preserved	A	NA		3.2	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2216990
Report Date: 04/22/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 1

Project Information

Project Name: Alliance 91st St

Project Location: Phil's Pk

Project #: 20080678.03B

Project Manager: Larry R. Smith

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Date Rec'd in Lab: 04/02/22

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEX ☐ Add'l Deliverables

ALPHA Job #: 1-2216990

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

Client Information

Client: Arradisi

Address: 1 Hammond Way Ste 5
Hillsborough, VT

Phone: 908-526-1000

Fax: math.hilinch@arradisi.com

Email: Larry.Grant@arradisi.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Disposal Lead is Field Filtered
Include 1,2,4 TMB with VOC results

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time													
16990-01	MW-1	4/1/22	1245	AG	MM	x	x									
-02	MW-2		1435			x	x									
-03	MW-3		1300			x	x									
-04	MW-4		1135			x	x									
-05	MW-5		1030			x	x									
-06	MW-7		1400			x	x									
-07	MW-8		1140			x	x									
-08	MW-9		1030			x	x									
-09	D.R-1		X			x	x									
-10	Field Blank		1430			x	x									

SAMPLE HANDLING

Filtration _____
☒ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

Lead field filtered 4

Container Type AP P

Preservative B C

Relinquished By:

Date/Time

Received By:

Date/Time

MATH HILINCH

4/1/22 15:00

Ann Goggin

4/1/22 15:00

Ann Goggin

4/1/22 15:00

Ann Goggin

4/1/22 15:00

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.



ANALYTICAL REPORT

Lab Number:	L2227668
Client:	Arcadis U.S., Inc 1 Harvard Way Suite 5 Hillsborough, NJ 08844
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	ALLIANCE 51ST STREET
Project Number:	30108678
Report Date:	06/17/22

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678

Lab Number: L2227668
Report Date: 06/17/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2227668-01	SG-1	SOIL_VAPOR	PHILA, PA	05/25/22 07:38	05/25/22
L2227668-02	SG-2	SOIL_VAPOR	PHILA, PA	05/25/22 08:03	05/25/22
L2227668-03	SG-3	SOIL_VAPOR	PHILA, PA	05/25/22 08:54	05/25/22
L2227668-04	SG-4	SOIL_VAPOR	PHILA, PA	05/25/22 09:21	05/25/22
L2227668-05	SG-5	SOIL_VAPOR	PHILA, PA	05/25/22 10:06	05/25/22
L2227668-06	SG-6	SOIL_VAPOR	PHILA, PA	05/25/22 10:38	05/25/22
L2227668-07	SG-7	SOIL_VAPOR	PHILA, PA	05/25/22 11:10	05/25/22

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678

Lab Number: L2227668
Report Date: 06/17/22

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: ALLIANCE 51ST STREET
Project Number: 30108678

Lab Number: L2227668
Report Date: 06/17/22

Case Narrative (continued)

Report Revision

June 17, 2022 the report has been amended to report TICs at the request of the client.

Volatile Organics in Air

Canisters were released from the laboratory on May 23, 2022. The canister certification results are provided as an addendum.

Report Submission

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

Sample Receipt

The canister ID numbers on the sample tags were misassigned in the laboratory, subsequently the canister ID numbers on the COC do not line up with the actual canister ID numbers. The samples were logged in based on the sample IDs on the canister tags.

L2227668-05D,-06D,-07D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

The WG1648255-3 LCS recoveries for cis-1,3-dichloropropene (135%) and bromoform (131%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

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: 06/17/22

AIR

Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678**Lab Number:** L2227668**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-01

Client ID: SG-1

Sample Location: PHILA, PA

Date Collected: 05/25/22 07:38

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 06/09/22 04:25

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.522	0.200	0.058	2.58	0.989	0.288		1
Chloromethane	0.512	0.200	0.069	1.06	0.413	0.142		1
Vinyl chloride	ND	0.200	0.063	ND	0.511	0.160		1
1,3-Butadiene	0.559	0.200	0.067	1.24	0.442	0.148		1
Bromomethane	ND	0.200	0.077	ND	0.777	0.300		1
Chloroethane	ND	0.200	0.081	ND	0.528	0.212		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.313		1
Acrolein	0.370	0.500	0.060	0.848	1.15	0.137	J	1
Acetone	4.58	1.00	0.689	10.9	2.38	1.64		1
Trichlorofluoromethane	0.216	0.200	0.069	1.21	1.12	0.386		1
Isopropanol	1.05	0.500	0.478	2.58	1.23	1.17		1
Acrylonitrile	ND	0.500	0.056	ND	1.09	0.120		1
1,1-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
Methylene chloride	0.199	0.500	0.134	0.691	1.74	0.466	J	1
3-Chloropropene	ND	0.200	0.059	ND	0.626	0.183		1
Carbon disulfide	0.362	0.200	0.056	1.13	0.623	0.174		1
Freon-113	ND	0.200	0.066	ND	1.53	0.503		1
trans-1,2-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
1,1-Dichloroethane	ND	0.200	0.063	ND	0.809	0.254		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.189		1
Chloroform	1.02	0.200	0.063	4.98	0.977	0.309		1
Tetrahydrofuran	0.231	0.500	0.057	0.681	1.47	0.168	J	1
1,2-Dichloroethane	0.393	0.200	0.060	1.59	0.809	0.244		1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-01

Client ID: SG-1

Sample Location: PHILA, PA

Date Collected: 05/25/22 07:38

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	9.49	0.200	0.036	33.4	0.705	0.128		1
1,1,1-Trichloroethane	ND	0.200	0.050	ND	1.09	0.273		1
Benzene	7.90	0.200	0.049	25.2	0.639	0.156		1
Carbon tetrachloride	0.051	0.200	0.050	0.321	1.26	0.314	J	1
Cyclohexane	1.28	0.200	0.037	4.41	0.688	0.127		1
1,2-Dichloropropane	ND	0.200	0.061	ND	0.924	0.282		1
Bromodichloromethane	ND	0.200	0.050	ND	1.34	0.338		1
1,4-Dioxane	ND	0.200	0.081	ND	0.721	0.290		1
Trichloroethene	ND	0.200	0.051	ND	1.07	0.271		1
Methyl Methacrylate	ND	0.500	0.070	ND	2.05	0.285		1
4-Methyl-2-pentanone	1.68	0.500	0.042	6.88	2.05	0.173		1
Xylenes, Total	24.6	0.200	0.045	107	0.869	0.197		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	30.4	0.200	0.052	115	0.754	0.196		1
1,3-Dichloropropane	ND	0.200	0.106	ND	0.924	0.490		1
Dibromochloromethane	ND	0.200	0.061	ND	1.70	0.523		1
1,2-Dibromoethane	ND	0.200	0.056	ND	1.54	0.431		1
Tetrachloroethene	0.887	0.200	0.066	6.01	1.36	0.444		1
Chlorobenzene	ND	0.200	0.062	ND	0.921	0.287		1
Ethylbenzene	4.20	0.200	0.043	18.2	0.869	0.188		1
p/m-Xylene	19.4	0.400	0.091	84.3	1.74	0.395		1
Bromoform	ND	0.200	0.064	ND	2.07	0.663		1
Styrene	0.072	0.200	0.043	0.307	0.852	0.185	J	1
1,1,2,2-Tetrachloroethane	ND	0.200	0.061	ND	1.37	0.422		1
o-Xylene	5.13	0.200	0.045	22.3	0.869	0.197		1
Isopropylbenzene	0.353	0.200	0.049	1.74	0.983	0.241		1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-01

Client ID: SG-1

Sample Location: PHILA, PA

Date Collected: 05/25/22 07:38

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	1.50	0.200	0.068	7.37	0.983	0.332		1
1,2,4-Trimethylbenzene	3.60	0.200	0.037	17.7	0.983	0.181		1
Benzyl chloride	ND	0.200	0.048	ND	1.04	0.250		1
1,4-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.382		1
1,2-Dichlorobenzene	ND	0.200	0.063	ND	1.20	0.378		1
1,2,4-Trichlorobenzene	ND	0.200	0.067	ND	1.48	0.500		1
Naphthalene	0.388	0.200	0.089	2.03	1.05	0.464		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Butane	35	NJ	ppbV		1
unknown alkane	6.5	J	ppbV		1
Unknown	8.0	J	ppbV		1
Cyclohexane, 1,1,2,3-tetram...	6.6	NJ	ppbV		1
unknown alkane	8.0	J	ppbV		1
unknown alkane	4.2	J	ppbV		1
Unknown	8.3	J	ppbV		1
Cyclopentane	5.5	NJ	ppbV		1
Pentane	23	NJ	ppbV		1
unknown alkane	4.3	J	ppbV		1
Pentane, 2-methyl-	3.8	NJ	ppbV		1
Undecane	4.2	NJ	ppbV		1
Isobutane	4.9	NJ	ppbV		1
Unknown	3.7	J	ppbV		1
Heptane	4.8	NJ	ppbV		1

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-01

Client ID: SG-1

Sample Location: PHILA, PA

Date Collected: 05/25/22 07:38

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	101		60-140

Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678**Lab Number:** L2227668**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-02

Client ID: SG-2

Sample Location: PHILA, PA

Date Collected: 05/25/22 08:03

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 06/09/22 05:04

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.510	0.200	0.058	2.52	0.989	0.288		1
Chloromethane	0.512	0.200	0.069	1.06	0.413	0.142		1
Vinyl chloride	ND	0.200	0.063	ND	0.511	0.160		1
1,3-Butadiene	0.422	0.200	0.067	0.934	0.442	0.148		1
Bromomethane	ND	0.200	0.077	ND	0.777	0.300		1
Chloroethane	ND	0.200	0.081	ND	0.528	0.212		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.313		1
Acrolein	ND	0.500	0.060	ND	1.15	0.137		1
Acetone	12.9	1.00	0.689	30.6	2.38	1.64		1
Trichlorofluoromethane	0.203	0.200	0.069	1.14	1.12	0.386		1
Isopropanol	ND	0.500	0.478	ND	1.23	1.17		1
Acrylonitrile	ND	0.500	0.056	ND	1.09	0.120		1
1,1-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
Methylene chloride	0.255	0.500	0.134	0.886	1.74	0.466	J	1
3-Chloropropene	ND	0.200	0.059	ND	0.626	0.183		1
Carbon disulfide	2.66	0.200	0.056	8.28	0.623	0.174		1
Freon-113	ND	0.200	0.066	ND	1.53	0.503		1
trans-1,2-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
1,1-Dichloroethane	ND	0.200	0.063	ND	0.809	0.254		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.189		1
Chloroform	0.078	0.200	0.063	0.381	0.977	0.309	J	1
Tetrahydrofuran	0.244	0.500	0.057	0.720	1.47	0.168	J	1
1,2-Dichloroethane	ND	0.200	0.060	ND	0.809	0.244		1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-02

Client ID: SG-2

Sample Location: PHILA, PA

Date Collected: 05/25/22 08:03

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.599	0.200	0.036	2.11	0.705	0.128		1
1,1,1-Trichloroethane	ND	0.200	0.050	ND	1.09	0.273		1
Benzene	0.931	0.200	0.049	2.97	0.639	0.156		1
Carbon tetrachloride	ND	0.200	0.050	ND	1.26	0.314		1
Cyclohexane	0.190	0.200	0.037	0.654	0.688	0.127	J	1
1,2-Dichloropropane	ND	0.200	0.061	ND	0.924	0.282		1
Bromodichloromethane	ND	0.200	0.050	ND	1.34	0.338		1
1,4-Dioxane	ND	0.200	0.081	ND	0.721	0.290		1
Trichloroethene	ND	0.200	0.051	ND	1.07	0.271		1
Methyl Methacrylate	ND	0.500	0.070	ND	2.05	0.285		1
4-Methyl-2-pentanone	0.549	0.500	0.042	2.25	2.05	0.173		1
Xylenes, Total	3.25	0.200	0.045	14.1	0.869	0.197		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	1.29	0.200	0.052	4.86	0.754	0.196		1
1,3-Dichloropropane	ND	0.200	0.106	ND	0.924	0.490		1
Dibromochloromethane	ND	0.200	0.061	ND	1.70	0.523		1
1,2-Dibromoethane	ND	0.200	0.056	ND	1.54	0.431		1
Tetrachloroethene	0.096	0.200	0.066	0.651	1.36	0.444	J	1
Chlorobenzene	ND	0.200	0.062	ND	0.921	0.287		1
Ethylbenzene	0.524	0.200	0.043	2.28	0.869	0.188		1
p/m-Xylene	2.09	0.400	0.091	9.08	1.74	0.395		1
Bromoform	ND	0.200	0.064	ND	2.07	0.663		1
Styrene	0.105	0.200	0.043	0.447	0.852	0.185	J	1
1,1,2,2-Tetrachloroethane	ND	0.200	0.061	ND	1.37	0.422		1
o-Xylene	1.16	0.200	0.045	5.04	0.869	0.197		1
Isopropylbenzene	0.200	0.200	0.049	0.983	0.983	0.241		1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-02

Client ID: SG-2

Sample Location: PHILA, PA

Date Collected: 05/25/22 08:03

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	0.399	0.200	0.068	1.96	0.983	0.332		1
1,2,4-Trimethylbenzene	1.13	0.200	0.037	5.56	0.983	0.181		1
Benzyl chloride	ND	0.200	0.048	ND	1.04	0.250		1
1,4-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.382		1
1,2-Dichlorobenzene	ND	0.200	0.063	ND	1.20	0.378		1
1,2,4-Trichlorobenzene	ND	0.200	0.067	ND	1.48	0.500		1
Naphthalene	0.186	0.200	0.089	0.975	1.05	0.464	J	1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
unknown alkane	3.6	J	ppbV		1
Butane	1.3	NJ	ppbV		1
Propene	1.4	NJ	ppbV		1
unknown alkane	7.5	J	ppbV		1
unknown alkane	4.8	J	ppbV		1
Unknown	1.2	J	ppbV		1
unknown alkane	1.7	J	ppbV		1
Unknown	1.4	J	ppbV		1
Pentane, 2,4-dimethyl-	1.6	NJ	ppbV		1
Pentane	1.3	NJ	ppbV		1
Unknown	1.1	J	ppbV		1
Isobutane	1.8	NJ	ppbV		1
Methyl Alcohol	1.4	NJ	ppbV		1
Unknown	1.5	J	ppbV		1
2-Butanone	1.3	NJ	ppbV		1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-02

Client ID: SG-2

Sample Location: PHILA, PA

Date Collected: 05/25/22 08:03

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678**Lab Number:** L2227668**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-03

Client ID: SG-3

Sample Location: PHILA, PA

Date Collected: 05/25/22 08:54

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 06/09/22 05:42

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.545	0.200	0.058	2.69	0.989	0.288		1
Chloromethane	0.556	0.200	0.069	1.15	0.413	0.142		1
Vinyl chloride	ND	0.200	0.063	ND	0.511	0.160		1
1,3-Butadiene	ND	0.200	0.067	ND	0.442	0.148		1
Bromomethane	ND	0.200	0.077	ND	0.777	0.300		1
Chloroethane	ND	0.200	0.081	ND	0.528	0.212		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.313		1
Acrolein	0.401	0.500	0.060	0.919	1.15	0.137	J	1
Acetone	2.80	1.00	0.689	6.65	2.38	1.64		1
Trichlorofluoromethane	0.213	0.200	0.069	1.20	1.12	0.386		1
Isopropanol	ND	0.500	0.478	ND	1.23	1.17		1
Acrylonitrile	ND	0.500	0.056	ND	1.09	0.120		1
1,1-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
Methylene chloride	2.04	0.500	0.134	7.09	1.74	0.466		1
3-Chloropropene	ND	0.200	0.059	ND	0.626	0.183		1
Carbon disulfide	0.397	0.200	0.056	1.24	0.623	0.174		1
Freon-113	ND	0.200	0.066	ND	1.53	0.503		1
trans-1,2-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
1,1-Dichloroethane	ND	0.200	0.063	ND	0.809	0.254		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.189		1
Chloroform	ND	0.200	0.063	ND	0.977	0.309		1
Tetrahydrofuran	0.076	0.500	0.057	0.224	1.47	0.168	J	1
1,2-Dichloroethane	0.169	0.200	0.060	0.684	0.809	0.244	J	1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-03

Client ID: SG-3

Sample Location: PHILA, PA

Date Collected: 05/25/22 08:54

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	2.64	0.200	0.036	9.30	0.705	0.128		1
1,1,1-Trichloroethane	ND	0.200	0.050	ND	1.09	0.273		1
Benzene	3.05	0.200	0.049	9.74	0.639	0.156		1
Carbon tetrachloride	0.070	0.200	0.050	0.440	1.26	0.314	J	1
Cyclohexane	0.238	0.200	0.037	0.819	0.688	0.127		1
1,2-Dichloropropane	ND	0.200	0.061	ND	0.924	0.282		1
Bromodichloromethane	ND	0.200	0.050	ND	1.34	0.338		1
1,4-Dioxane	ND	0.200	0.081	ND	0.721	0.290		1
Trichloroethene	ND	0.200	0.051	ND	1.07	0.271		1
Methyl Methacrylate	ND	0.500	0.070	ND	2.05	0.285		1
4-Methyl-2-pentanone	0.071	0.500	0.042	0.291	2.05	0.173	J	1
Xylenes, Total	6.42	0.200	0.045	27.9	0.869	0.197		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	6.84	0.200	0.052	25.8	0.754	0.196		1
1,3-Dichloropropane	ND	0.200	0.106	ND	0.924	0.490		1
Dibromochloromethane	ND	0.200	0.061	ND	1.70	0.523		1
1,2-Dibromoethane	ND	0.200	0.056	ND	1.54	0.431		1
Tetrachloroethene	0.067	0.200	0.066	0.454	1.36	0.444	J	1
Chlorobenzene	ND	0.200	0.062	ND	0.921	0.287		1
Ethylbenzene	1.28	0.200	0.043	5.56	0.869	0.188		1
p/m-Xylene	5.17	0.400	0.091	22.5	1.74	0.395		1
Bromoform	ND	0.200	0.064	ND	2.07	0.663		1
Styrene	ND	0.200	0.043	ND	0.852	0.185		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.061	ND	1.37	0.422		1
o-Xylene	1.24	0.200	0.045	5.39	0.869	0.197		1
Isopropylbenzene	0.082	0.200	0.049	0.403	0.983	0.241	J	1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-03

Client ID: SG-3

Sample Location: PHILA, PA

Date Collected: 05/25/22 08:54

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	0.424	0.200	0.068	2.08	0.983	0.332		1
1,2,4-Trimethylbenzene	1.54	0.200	0.037	7.57	0.983	0.181		1
Benzyl chloride	ND	0.200	0.048	ND	1.04	0.250		1
1,4-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.382		1
1,2-Dichlorobenzene	ND	0.200	0.063	ND	1.20	0.378		1
1,2,4-Trichlorobenzene	ND	0.200	0.067	ND	1.48	0.500		1
Naphthalene	1.59	0.200	0.089	8.34	1.05	0.464		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Methyl Alcohol	8.2	NJ	ppbV		1
Pentane	3.4	NJ	ppbV		1
Ethyl Alcohol	1.5	NJ	ppbV		1
Butane	1.6	NJ	ppbV		1
unknown alkane	2.0	J	ppbV		1
Acetaldehyde	2.0	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678**Lab Number:** L2227668**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-04

Client ID: SG-4

Sample Location: PHILA, PA

Date Collected: 05/25/22 09:21

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 06/09/22 06:21

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.533	0.200	0.058	2.64	0.989	0.288		1
Chloromethane	0.597	0.200	0.069	1.23	0.413	0.142		1
Vinyl chloride	ND	0.200	0.063	ND	0.511	0.160		1
1,3-Butadiene	0.096	0.200	0.067	0.212	0.442	0.148	J	1
Bromomethane	ND	0.200	0.077	ND	0.777	0.300		1
Chloroethane	ND	0.200	0.081	ND	0.528	0.212		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.313		1
Acrolein	0.231	0.500	0.060	0.530	1.15	0.137	J	1
Acetone	2.71	1.00	0.689	6.44	2.38	1.64		1
Trichlorofluoromethane	0.213	0.200	0.069	1.20	1.12	0.386		1
Isopropanol	ND	0.500	0.478	ND	1.23	1.17		1
Acrylonitrile	ND	0.500	0.056	ND	1.09	0.120		1
1,1-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
Methylene chloride	0.236	0.500	0.134	0.820	1.74	0.466	J	1
3-Chloropropene	ND	0.200	0.059	ND	0.626	0.183		1
Carbon disulfide	0.348	0.200	0.056	1.08	0.623	0.174		1
Freon-113	0.071	0.200	0.066	0.544	1.53	0.503	J	1
trans-1,2-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
1,1-Dichloroethane	ND	0.200	0.063	ND	0.809	0.254		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.189		1
Chloroform	ND	0.200	0.063	ND	0.977	0.309		1
Tetrahydrofuran	ND	0.500	0.057	ND	1.47	0.168		1
1,2-Dichloroethane	ND	0.200	0.060	ND	0.809	0.244		1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-04

Client ID: SG-4

Sample Location: PHILA, PA

Date Collected: 05/25/22 09:21

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	1.06	0.200	0.036	3.74	0.705	0.128		1
1,1,1-Trichloroethane	ND	0.200	0.050	ND	1.09	0.273		1
Benzene	1.06	0.200	0.049	3.39	0.639	0.156		1
Carbon tetrachloride	0.068	0.200	0.050	0.428	1.26	0.314	J	1
Cyclohexane	0.401	0.200	0.037	1.38	0.688	0.127		1
1,2-Dichloropropane	ND	0.200	0.061	ND	0.924	0.282		1
Bromodichloromethane	ND	0.200	0.050	ND	1.34	0.338		1
1,4-Dioxane	ND	0.200	0.081	ND	0.721	0.290		1
Trichloroethene	ND	0.200	0.051	ND	1.07	0.271		1
Methyl Methacrylate	ND	0.500	0.070	ND	2.05	0.285		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.173		1
Xylenes, Total	0.586	0.200	0.045	2.55	0.869	0.197	J	1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	0.697	0.200	0.052	2.63	0.754	0.196		1
1,3-Dichloropropane	ND	0.200	0.106	ND	0.924	0.490		1
Dibromochloromethane	ND	0.200	0.061	ND	1.70	0.523		1
1,2-Dibromoethane	ND	0.200	0.056	ND	1.54	0.431		1
Tetrachloroethene	ND	0.200	0.066	ND	1.36	0.444		1
Chlorobenzene	ND	0.200	0.062	ND	0.921	0.287		1
Ethylbenzene	0.111	0.200	0.043	0.482	0.869	0.188	J	1
p/m-Xylene	0.410	0.400	0.091	1.78	1.74	0.395		1
Bromoform	ND	0.200	0.064	ND	2.07	0.663		1
Styrene	ND	0.200	0.043	ND	0.852	0.185		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.061	ND	1.37	0.422		1
o-Xylene	0.176	0.200	0.045	0.764	0.869	0.197	J	1
Isopropylbenzene	ND	0.200	0.049	ND	0.983	0.241		1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-04

Client ID: SG-4

Sample Location: PHILA, PA

Date Collected: 05/25/22 09:21

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	0.200	0.068	ND	0.983	0.332		1
1,2,4-Trimethylbenzene	0.139	0.200	0.037	0.683	0.983	0.181	J	1
Benzyl chloride	ND	0.200	0.048	ND	1.04	0.250		1
1,4-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.382		1
1,2-Dichlorobenzene	ND	0.200	0.063	ND	1.20	0.378		1
1,2,4-Trichlorobenzene	ND	0.200	0.067	ND	1.48	0.500		1
Naphthalene	ND	0.200	0.089	ND	1.05	0.464		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Methyl Alcohol	2.8	NJ	ppbV		1
Butane	1.2	NJ	ppbV		1
Acetaldehyde	1.5	NJ	ppbV		1
Pentane	1.8	NJ	ppbV		1
Nonanal	1.7	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140



Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678**Lab Number:** L2227668**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-05 D

Client ID: SG-5

Sample Location: PHILA, PA

Date Collected: 05/25/22 10:06

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 06/09/22 08:09

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2500	729.	ND	12400	3600		12500
Chloromethane	ND	2500	861.	ND	5160	1780		12500
Vinyl chloride	ND	2500	784.	ND	6390	2000		12500
1,3-Butadiene	ND	2500	838.	ND	5530	1850		12500
Bromomethane	ND	2500	966.	ND	9710	3750		12500
Chloroethane	ND	2500	1010	ND	6600	2670		12500
Vinyl bromide	ND	2500	896.	ND	10900	3920		12500
Acrolein	ND	6250	745.	ND	14300	1710		12500
Acetone	ND	12500	8610	ND	29700	20500		12500
Trichlorofluoromethane	ND	2500	858.	ND	14000	4820		12500
Isopropanol	ND	6250	5980	ND	15400	14700		12500
Acrylonitrile	ND	6250	694.	ND	13600	1510		12500
1,1-Dichloroethene	ND	2500	804.	ND	9910	3190		12500
Methylene chloride	ND	6250	1680	ND	21700	5840		12500
3-Chloropropene	ND	2500	731.	ND	7830	2290		12500
Carbon disulfide	ND	2500	699.	ND	7790	2180		12500
Freon-113	ND	2500	820.	ND	19200	6280		12500
trans-1,2-Dichloroethene	ND	2500	804.	ND	9910	3190		12500
1,1-Dichloroethane	ND	2500	785.	ND	10100	3180		12500
Methyl tert butyl ether	ND	2500	656.	ND	9010	2370		12500
Chloroform	ND	2500	791.	ND	12200	3860		12500
Tetrahydrofuran	ND	6250	710.	ND	18400	2090		12500
1,2-Dichloroethane	ND	2500	752.	ND	10100	3040		12500



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-05 D

Client ID: SG-5

Sample Location: PHILA, PA

Date Collected: 05/25/22 10:06

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	29100	2500	455.	103000	8810	1600		12500
1,1,1-Trichloroethane	ND	2500	626.	ND	13600	3420		12500
Benzene	1360	2500	609.	4340	7990	1950	J	12500
Carbon tetrachloride	ND	2500	624.	ND	15700	3930		12500
Cyclohexane	354000	2500	460.	1220000	8610	1580		12500
1,2-Dichloropropane	ND	2500	762.	ND	11600	3520		12500
Bromodichloromethane	ND	2500	630.	ND	16700	4220		12500
1,4-Dioxane	ND	2500	1010	ND	9010	3640		12500
Trichloroethene	ND	2500	631.	ND	13400	3390		12500
Methyl Methacrylate	ND	6250	871.	ND	25600	3570		12500
4-Methyl-2-pentanone	ND	6250	526.	ND	25600	2160		12500
Xylenes, Total	ND	2500	566.	ND	10900	2460		12500
1,1,2-Trichloroethane	ND	2500	838.	ND	13600	4570		12500
Toluene	688	2500	650.	2590	9420	2450	J	12500
1,3-Dichloropropane	ND	2500	1320	ND	11600	6100		12500
Dibromochloromethane	ND	2500	768.	ND	21300	6540		12500
1,2-Dibromoethane	ND	2500	701.	ND	19200	5390		12500
Tetrachloroethene	ND	2500	819.	ND	17000	5550		12500
Chlorobenzene	ND	2500	780.	ND	11500	3590		12500
Ethylbenzene	ND	2500	540.	ND	10900	2350		12500
p/m-Xylene	ND	5000	1140	ND	21700	4950		12500
Bromoform	ND	2500	801.	ND	25800	8280		12500
Styrene	ND	2500	542.	ND	10600	2310		12500
1,1,2,2-Tetrachloroethane	ND	2500	768.	ND	17200	5270		12500
o-Xylene	ND	2500	566.	ND	10900	2460		12500
Isopropylbenzene	ND	2500	614.	ND	12300	3020		12500



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-05 D

Client ID: SG-5

Sample Location: PHILA, PA

Date Collected: 05/25/22 10:06

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	2500	844.	ND	12300	4150		12500
1,2,4-Trimethylbenzene	ND	2500	460.	ND	12300	2260		12500
Benzyl chloride	ND	2500	602.	ND	12900	3120		12500
1,4-Dichlorobenzene	ND	2500	795.	ND	15000	4780		12500
1,2-Dichlorobenzene	ND	2500	785.	ND	15000	4720		12500
1,2,4-Trichlorobenzene	ND	2500	842.	ND	18600	6250		12500
Naphthalene	ND	2500	1110	ND	13100	5820		12500

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Hexane, 3-methyl-	460000	NJ	ppbV		12500
1-Pentene, 2,4,4-trimethyl-	340000	NJ	ppbV		12500
Cyclopentane, Methyl-	160000	NJ	ppbV		12500
Unknown	290000	J	ppbV		12500
unknown alkane	370000	J	ppbV		12500
Cyclohexane, methyl-	500000	NJ	ppbV		12500
Unknown	210000	J	ppbV		12500
Hexane, 2-methyl-	340000	NJ	ppbV		12500
Pentane, 2,3-dimethyl-	240000	NJ	ppbV		12500
Unknown	170000	J	ppbV		12500
Pentane, 3-methyl-	920000	NJ	ppbV		12500
Butane, 2-Methyl-	150000	NJ	ppbV		12500
Unknown	140000	J	ppbV		12500
Pentane, 2-methyl-	910000	NJ	ppbV		12500
Pentane, 2,4-dimethyl-	270000	NJ	ppbV		12500



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-05 D

Date Collected: 05/25/22 10:06

Client ID: SG-5

Date Received: 05/25/22

Sample Location: PHILA, PA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	104		60-140

Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678**Lab Number:** L2227668**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-06 D

Client ID: SG-6

Sample Location: PHILA, PA

Date Collected: 05/25/22 10:38

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 06/09/22 10:11

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	18.2	5.32	ND	90.0	26.3		91.24
Chloromethane	ND	18.2	6.29	ND	37.6	13.0		91.24
Vinyl chloride	ND	18.2	5.72	ND	46.5	14.6		91.24
1,3-Butadiene	ND	18.2	6.11	ND	40.3	13.5		91.24
Bromomethane	ND	18.2	7.05	ND	70.7	27.4		91.24
Chloroethane	ND	18.2	7.34	ND	48.0	19.4		91.24
Vinyl bromide	ND	18.2	6.54	ND	79.6	28.6		91.24
Acrolein	ND	45.6	5.44	ND	105	12.5		91.24
Acetone	ND	91.2	62.9	ND	217	149.		91.24
Trichlorofluoromethane	ND	18.2	6.26	ND	102	35.2		91.24
Isopropanol	ND	45.6	43.6	ND	112	107.		91.24
Acrylonitrile	ND	45.6	5.06	ND	99.0	11.0		91.24
1,1-Dichloroethene	ND	18.2	5.87	ND	72.2	23.3		91.24
Methylene chloride	ND	45.6	12.2	ND	158	42.4		91.24
3-Chloropropene	ND	18.2	5.34	ND	57.0	16.7		91.24
Carbon disulfide	ND	18.2	5.10	ND	56.7	15.9		91.24
Freon-113	ND	18.2	5.98	ND	139	45.8		91.24
trans-1,2-Dichloroethene	ND	18.2	5.87	ND	72.2	23.3		91.24
1,1-Dichloroethane	ND	18.2	5.73	ND	73.7	23.2		91.24
Methyl tert butyl ether	ND	18.2	4.79	ND	65.6	17.3		91.24
Chloroform	ND	18.2	5.78	ND	88.9	28.2		91.24
Tetrahydrofuran	ND	45.6	5.18	ND	134	15.3		91.24
1,2-Dichloroethane	ND	18.2	5.49	ND	73.7	22.2		91.24



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-06 D

Client ID: SG-6

Sample Location: PHILA, PA

Date Collected: 05/25/22 10:38

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	10.5	18.2	3.32	37.0	64.1	11.7	J	91.24
1,1,1-Trichloroethane	ND	18.2	4.57	ND	99.3	24.9		91.24
Benzene	ND	18.2	4.44	ND	58.1	14.2		91.24
Carbon tetrachloride	ND	18.2	4.55	ND	114	28.6		91.24
Cyclohexane	68.6	18.2	3.36	236	62.6	11.6		91.24
1,2-Dichloropropane	ND	18.2	5.56	ND	84.1	25.7		91.24
Bromodichloromethane	ND	18.2	4.60	ND	122	30.8		91.24
1,4-Dioxane	ND	18.2	7.34	ND	65.6	26.5		91.24
Trichloroethene	ND	18.2	4.61	ND	97.8	24.8		91.24
Methyl Methacrylate	ND	45.6	6.36	ND	187	26.0		91.24
4-Methyl-2-pentanone	83.1	45.6	3.84	341	187	15.7		91.24
Xylenes, Total	12.7	18.2	4.13	55.2	79.1	17.9	J	91.24
1,1,2-Trichloroethane	ND	18.2	6.11	ND	99.3	33.3		91.24
Toluene	31.8	18.2	4.74	120	68.6	17.9		91.24
1,3-Dichloropropane	ND	18.2	9.67	ND	84.1	44.7		91.24
Dibromochloromethane	ND	18.2	5.60	ND	155	47.7		91.24
1,2-Dibromoethane	ND	18.2	5.12	ND	140	39.3		91.24
Tetrachloroethene	ND	18.2	5.98	ND	123	40.6		91.24
Chlorobenzene	ND	18.2	5.69	ND	83.8	26.2		91.24
Ethylbenzene	ND	18.2	3.94	ND	79.1	17.1		91.24
p/m-Xylene	12.7	36.5	8.30	55.2	159	36.1	J	91.24
Bromoform	ND	18.2	5.85	ND	188	60.5		91.24
Styrene	ND	18.2	3.96	ND	77.5	16.9		91.24
1,1,2,2-Tetrachloroethane	ND	18.2	5.60	ND	125	38.5		91.24
o-Xylene	ND	18.2	4.13	ND	79.1	17.9		91.24
Isopropylbenzene	ND	18.2	4.48	ND	89.5	22.0		91.24



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-06 D

Client ID: SG-6

Sample Location: PHILA, PA

Date Collected: 05/25/22 10:38

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	18.2	6.16	ND	89.5	30.3		91.24
1,2,4-Trimethylbenzene	ND	18.2	3.36	ND	89.5	16.5		91.24
Benzyl chloride	ND	18.2	4.40	ND	94.2	22.8		91.24
1,4-Dichlorobenzene	ND	18.2	5.80	ND	109	34.9		91.24
1,2-Dichlorobenzene	ND	18.2	5.73	ND	109	34.5		91.24
1,2,4-Trichlorobenzene	ND	18.2	6.15	ND	135	45.7		91.24
Naphthalene	ND	18.2	8.07	ND	95.4	42.3		91.24

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Pentane, 2,3-dimethyl-	1800	NJ	ppbV		91.24
Unknown	990	J	ppbV		91.24
unknown cycloalkane	920	J	ppbV		91.24
Pentane, 2,4-dimethyl-	1600	NJ	ppbV		91.24
Cyclohexane, 1,1,3-trimethyl-	1700	NJ	ppbV		91.24
Cyclopentane, 1,2,4-trimethyl-	890	NJ	ppbV		91.24
Cyclopentane, 1,1,3-trimethyl-	1200	NJ	ppbV		91.24
Hexane, 2,4-dimethyl-	1700	NJ	ppbV		91.24
unknown alkane	950	J	ppbV		91.24
1-Pentene, 2,4,4-trimethyl-	810	NJ	ppbV		91.24
unknown alkane	3800	J	ppbV		91.24
unknown cycloalkane	930	J	ppbV		91.24
Hexane, 2,5-dimethyl-	770	NJ	ppbV		91.24
Pentane, 3-methyl-	1300	NJ	ppbV		91.24
unknown alkane	1500	J	ppbV		91.24



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-06 D

Client ID: SG-6

Sample Location: PHILA, PA

Date Collected: 05/25/22 10:38

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	107		60-140

Project Name: ALLIANCE 51ST STREET**Project Number:** 30108678**Lab Number:** L2227668**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-07 D

Client ID: SG-7

Sample Location: PHILA, PA

Date Collected: 05/25/22 11:10

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 06/09/22 09:21

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	125.	36.4	ND	618	180.		625
Chloromethane	ND	125.	43.1	ND	258	89.0		625
Vinyl chloride	ND	125.	39.2	ND	320	100.		625
1,3-Butadiene	ND	125.	41.9	ND	277	92.7		625
Bromomethane	ND	125.	48.3	ND	485	188.		625
Chloroethane	ND	125.	50.3	ND	330	133.		625
Vinyl bromide	ND	125.	44.8	ND	547	196.		625
Acrolein	ND	312.	37.2	ND	715	85.3		625
Acetone	ND	625.	431.	ND	1480	1020		625
Trichlorofluoromethane	ND	125.	42.9	ND	702	241.		625
Isopropanol	ND	312.	299.	ND	767	735.		625
Acrylonitrile	ND	312.	34.7	ND	677	75.3		625
1,1-Dichloroethene	ND	125.	40.2	ND	496	159.		625
Methylene chloride	ND	312	83.8	ND	1080	291.		625
3-Chloropropene	ND	125.	36.6	ND	391	115.		625
Carbon disulfide	ND	125.	34.9	ND	389	109.		625
Freon-113	ND	125.	41.0	ND	958	314.		625
trans-1,2-Dichloroethene	ND	125.	40.2	ND	496	159.		625
1,1-Dichloroethane	ND	125.	39.2	ND	506	159.		625
Methyl tert butyl ether	ND	125.	32.8	ND	451	118.		625
Chloroform	ND	125.	39.6	ND	610	193.		625
Tetrahydrofuran	ND	312.	35.5	ND	920	105.		625
1,2-Dichloroethane	ND	125.	37.6	ND	506	152.		625



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-07 D

Client ID: SG-7

Sample Location: PHILA, PA

Date Collected: 05/25/22 11:10

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	279	125	22.8	983	441	80.4		625
1,1,1-Trichloroethane	ND	125.	31.3	ND	682	171.		625
Benzene	ND	125.	30.4	ND	399	97.1		625
Carbon tetrachloride	ND	125.	31.2	ND	786	196.		625
Cyclohexane	7570	125	23.0	26100	430	79.2		625
1,2-Dichloropropane	ND	125.	38.1	ND	578	176.		625
Bromodichloromethane	ND	125.	31.5	ND	837	211.		625
1,4-Dioxane	ND	125.	50.3	ND	450	181.		625
Trichloroethene	ND	125.	31.6	ND	672	170.		625
Methyl Methacrylate	ND	312.	43.6	ND	1280	179.		625
4-Methyl-2-pentanone	ND	312.	26.3	ND	1280	108.		625
Xylenes, Total	ND	125.	28.3	ND	543	123.		625
1,1,2-Trichloroethane	ND	125.	41.9	ND	682	229.		625
Toluene	45.0	125	32.5	170	471	122.	J	625
1,3-Dichloropropane	ND	125.	66.2	ND	578	306.		625
Dibromochloromethane	ND	125.	38.4	ND	1060	327.		625
1,2-Dibromoethane	ND	125.	35.1	ND	961	270.		625
Tetrachloroethene	ND	125.	40.9	ND	848	277.		625
Chlorobenzene	ND	125.	39.0	ND	576	180.		625
Ethylbenzene	ND	125.	27.0	ND	543	117.		625
p/m-Xylene	ND	250.	56.9	ND	1090	247.		625
Bromoform	ND	125.	40.1	ND	1290	415.		625
Styrene	ND	125.	27.1	ND	532	115.		625
1,1,2,2-Tetrachloroethane	ND	125.	38.4	ND	858	264.		625
o-Xylene	ND	125.	28.3	ND	543	123.		625
Isopropylbenzene	ND	125.	30.7	ND	615	151.		625



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-07 D

Client ID: SG-7

Sample Location: PHILA, PA

Date Collected: 05/25/22 11:10

Date Received: 05/25/22

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	125.	42.2	ND	615	207.		625
1,2,4-Trimethylbenzene	ND	125.	23.0	ND	615	113.		625
Benzyl chloride	ND	125.	30.1	ND	647	156.		625
1,4-Dichlorobenzene	ND	125.	39.8	ND	752	239.		625
1,2-Dichlorobenzene	ND	125.	39.2	ND	752	236.		625
1,2,4-Trichlorobenzene	ND	125.	42.1	ND	928	313.		625
Naphthalene	ND	125.	55.3	ND	655	290.		625

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Cyclohexane, methyl-	23000	NJ	ppbV		625
unknown alkane	7200	J	ppbV		625
Pentane, 3-methyl-	29000	NJ	ppbV		625
unknown cycloalkane	5300	J	ppbV		625
Pentane, 2,3-dimethyl-	10000	NJ	ppbV		625
Hexane, 2-methyl-	8400	NJ	ppbV		625
Butane, 2,3-Dimethyl-	14000	NJ	ppbV		625
1-Pentene, 2,4,4-trimethyl-	4000	NJ	ppbV		625
Hexane, 3-methyl-	13000	NJ	ppbV		625
Pentane, 2-methyl-	25000	NJ	ppbV		625
unknown alkane	7200	J	ppbV		625
unknown alkane	8000	J	ppbV		625
unknown alkane	39000	J	ppbV		625
Butane, 2-Methyl-	7800	NJ	ppbV		625
Pentane, 2,4-dimethyl-	12000	NJ	ppbV		625



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**SAMPLE RESULTS**

Lab ID: L2227668-07 D

Date Collected: 05/25/22 11:10

Client ID: SG-7

Date Received: 05/25/22

Sample Location: PHILA, PA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	106		60-140

Project Name: ALLIANCE 51ST STREET

Lab Number: L2227668

Project Number: 30108678

Report Date: 06/17/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/08/22 16:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1648255-4								
Dichlorodifluoromethane	ND	0.200	0.058	ND	0.989	0.288		1
Chloromethane	ND	0.200	0.069	ND	0.413	0.142		1
Vinyl chloride	ND	0.200	0.063	ND	0.511	0.160		1
1,3-Butadiene	ND	0.200	0.067	ND	0.442	0.148		1
Bromomethane	ND	0.200	0.077	ND	0.777	0.300		1
Chloroethane	ND	0.200	0.081	ND	0.528	0.212		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.313		1
Acrolein	ND	0.500	0.060	ND	1.15	0.137		1
Acetone	ND	1.00	0.689	ND	2.38	1.64		1
Trichlorofluoromethane	ND	0.200	0.069	ND	1.12	0.386		1
Isopropanol	ND	0.500	0.478	ND	1.23	1.17		1
Acrylonitrile	ND	0.500	0.056	ND	1.09	0.120		1
1,1-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
Methylene chloride	ND	0.500	0.134	ND	1.74	0.466		1
3-Chloropropene	ND	0.200	0.059	ND	0.626	0.183		1
Carbon disulfide	ND	0.200	0.056	ND	0.623	0.174		1
Freon-113	ND	0.200	0.066	ND	1.53	0.503		1
trans-1,2-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
1,1-Dichloroethane	ND	0.200	0.063	ND	0.809	0.254		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.189		1
Xylenes, Total	ND	0.200	0.045	ND	0.869	0.197		1
Chloroform	ND	0.200	0.063	ND	0.977	0.309		1
Tetrahydrofuran	ND	0.500	0.057	ND	1.47	0.168		1
1,2-Dichloroethane	ND	0.200	0.060	ND	0.809	0.244		1
n-Hexane	ND	0.200	0.036	ND	0.705	0.128		1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/08/22 16:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1648255-4								
1,1,1-Trichloroethane	ND	0.200	0.050	ND	1.09	0.273		1
Benzene	ND	0.200	0.049	ND	0.639	0.156		1
Carbon tetrachloride	ND	0.200	0.050	ND	1.26	0.314		1
Cyclohexane	ND	0.200	0.037	ND	0.688	0.127		1
1,2-Dichloropropane	ND	0.200	0.061	ND	0.924	0.282		1
Bromodichloromethane	ND	0.200	0.050	ND	1.34	0.338		1
1,4-Dioxane	ND	0.200	0.081	ND	0.721	0.290		1
Trichloroethene	ND	0.200	0.051	ND	1.07	0.271		1
Methyl Methacrylate	ND	0.500	0.070	ND	2.05	0.285		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.173		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	ND	0.200	0.052	ND	0.754	0.196		1
1,3-Dichloropropane	ND	0.200	0.106	ND	0.924	0.490		1
Dibromochloromethane	ND	0.200	0.061	ND	1.70	0.523		1
1,2-Dibromoethane	ND	0.200	0.056	ND	1.54	0.431		1
Tetrachloroethene	ND	0.200	0.066	ND	1.36	0.444		1
Chlorobenzene	ND	0.200	0.062	ND	0.921	0.287		1
Ethylbenzene	ND	0.200	0.043	ND	0.869	0.188		1
p/m-Xylene	ND	0.400	0.091	ND	1.74	0.395		1
Bromoform	ND	0.200	0.064	ND	2.07	0.663		1
Styrene	ND	0.200	0.043	ND	0.852	0.185		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.061	ND	1.37	0.422		1
o-Xylene	ND	0.200	0.045	ND	0.869	0.197		1
Isopropylbenzene	ND	0.200	0.049	ND	0.983	0.241		1
1,3,5-Trimethylbenzene	ND	0.200	0.068	ND	0.983	0.332		1



Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/08/22 16:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1648255-4								
1,2,4-Trimethylbenzene	ND	0.200	0.037	ND	0.983	0.181		1
Benzyl chloride	ND	0.200	0.048	ND	1.04	0.250		1
1,4-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.382		1
1,2-Dichlorobenzene	ND	0.200	0.063	ND	1.20	0.378		1
1,2,4-Trichlorobenzene	ND	0.200	0.067	ND	1.48	0.500		1
Naphthalene	ND	0.200	0.089	ND	1.05	0.464		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678

Lab Number: L2227668

Report Date: 06/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1648255-3								
Dichlorodifluoromethane	108		-		70-130	-		
Chloromethane	93		-		70-130	-		
Vinyl chloride	106		-		70-130	-		
1,3-Butadiene	111		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	96		-		70-130	-		
Vinyl bromide	85		-		70-130	-		
Acrolein	97		-		60-113	-		
Acetone	87		-		40-160	-		
Trichlorofluoromethane	96		-		70-130	-		
Isopropanol	76		-		40-160	-		
Acrylonitrile	96		-		70-130	-		
1,1-Dichloroethene	95		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	82		-		70-130	-		
Carbon disulfide	96		-		70-130	-		
Freon-113	103		-		70-130	-		
trans-1,2-Dichloroethene	84		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	82		-		70-130	-		
1,2-Dichloroethane	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678

Lab Number: L2227668

Report Date: 06/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1648255-3								
n-Hexane	109		-		70-130	-		
1,1,1-Trichloroethane	113		-		70-130	-		
Benzene	123		-		70-130	-		
Carbon tetrachloride	120		-		70-130	-		
Cyclohexane	117		-		70-130	-		
1,2-Dichloropropane	111		-		70-130	-		
Bromodichloromethane	120		-		70-130	-		
1,4-Dioxane	116		-		70-130	-		
Trichloroethene	126		-		70-130	-		
Methyl Methacrylate	100		-		40-160	-		
4-Methyl-2-pentanone	108		-		70-130	-		
1,1,2-Trichloroethane	127		-		70-130	-		
Toluene	109		-		70-130	-		
1,3-Dichloropropane	111		-		70-130	-		
Dibromochloromethane	124		-		70-130	-		
1,2-Dibromoethane	126		-		70-130	-		
Tetrachloroethene	118		-		70-130	-		
Chlorobenzene	118		-		70-130	-		
Ethylbenzene	117		-		70-130	-		
p/m-Xylene	116		-		70-130	-		
Bromoform	131	Q	-		70-130	-		
Styrene	126		-		70-130	-		
1,1,2,2-Tetrachloroethane	122		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST STREET

Project Number: 30108678

Lab Number: L2227668

Report Date: 06/17/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1648255-3								
o-Xylene	117		-		70-130	-		
Isopropylbenzene	112		-		70-130	-		
1,3,5-Trimethylbenzene	119		-		70-130	-		
1,2,4-Trimethylbenzene	119		-		70-130	-		
Benzyl chloride	110		-		70-130	-		
1,4-Dichlorobenzene	116		-		70-130	-		
1,2-Dichlorobenzene	118		-		70-130	-		
1,2,4-Trichlorobenzene	123		-		70-130	-		
Naphthalene	117		-		70-130	-		

Project Name: ALLIANCE 51ST STREET

Serial_No:06172217:12
Lab Number: L2227668

Project Number: 30108678

Report Date: 06/17/22

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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2227668-01	SG-1	01135	Flow 2	05/23/22	388990		-	-	-	Pass	144	137	5
L2227668-01	SG-1	364	2.7L Can	05/23/22	388990	L2225888-06	Pass	-29.5	-4.0	-	-	-	-
L2227668-02	SG-2	0336	Flow 1	05/23/22	388990		-	-	-	Pass	144	143	1
L2227668-02	SG-2	346	2.7L Can	05/23/22	388990	L2225888-06	Pass	-29.4	-3.9	-	-	-	-
L2227668-03	SG-3	01167	Flow 1	05/23/22	388990		-	-	-	Pass	144	139	4
L2227668-03	SG-3	2374	2.7L Can	05/23/22	388990	L2226183-02	Pass	-28.6	-3.4	-	-	-	-
L2227668-04	SG-4	0947	Flow 2	05/23/22	388990		-	-	-	Pass	144	4.9	187
L2227668-04	SG-4	2079	2.7L Can	05/23/22	388990	L2226183-02	Pass	-29.5	-4.9	-	-	-	-
L2227668-05	SG-5	01402	Flow 1	05/23/22	388990		-	-	-	Pass	144	143	1
L2227668-05	SG-5	3159	2.7L Can	05/23/22	388990	L2226183-02	Pass	-29.5	-2.6	-	-	-	-
L2227668-06	SG-6	0187	Flow 1	05/23/22	388990		-	-	-	Pass	144	141	2
L2227668-06	SG-6	537	2.7L Can	05/23/22	388990	L2226183-02	Pass	-29.4	0.0	-	-	-	-
L2227668-07	SG-7	01638	Flow 1	05/23/22	388990		-	-	-	Pass	144	134	7
L2227668-07	SG-7	403	2.7L Can	05/23/22	388990	L2226183-02	Pass	-29.4	-3.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2225888
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2225888-06
Client ID: CAN 2869 SHELF 6
Sample Location:

Date Collected: 05/17/22 09:00
Date Received: 05/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/18/22 00:12
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.058	ND	0.707	0.207		1
Propylene	ND	0.500	0.060	ND	0.861	0.103		1
Propane	ND	0.500	0.132	ND	0.902	0.238		1
Dichlorodifluoromethane	ND	0.200	0.058	ND	0.989	0.288		1
Chloromethane	ND	0.200	0.069	ND	0.413	0.142		1
Freon-114	ND	0.200	0.059	ND	1.40	0.413		1
Methanol	ND	5.00	1.84	ND	6.55	2.41		1
Vinyl chloride	ND	0.200	0.063	ND	0.511	0.160		1
1,3-Butadiene	ND	0.200	0.067	ND	0.442	0.148		1
Butane	ND	0.200	0.065	ND	0.475	0.154		1
Bromomethane	ND	0.200	0.077	ND	0.777	0.300		1
Chloroethane	ND	0.200	0.081	ND	0.528	0.212		1
Ethanol	ND	5.00	0.733	ND	9.42	1.38		1
Dichlorofluoromethane	ND	0.200	0.081	ND	0.842	0.340		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.313		1
Acrolein	ND	0.500	0.060	ND	1.15	0.137		1
Acetone	ND	1.00	0.689	ND	2.38	1.64		1
Acetonitrile	ND	0.200	0.082	ND	0.336	0.138		1
Trichlorofluoromethane	ND	0.200	0.069	ND	1.12	0.386		1
Isopropanol	ND	0.500	0.478	ND	1.23	1.17		1
Acrylonitrile	ND	0.500	0.056	ND	1.09	0.120		1
Pentane	ND	0.200	0.066	ND	0.590	0.194		1
Ethyl ether	ND	0.200	0.074	ND	0.606	0.223		1
1,1-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2225888
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2225888-06
Client ID: CAN 2869 SHELF 6
Sample Location:

Date Collected: 05/17/22 09:00
Date Received: 05/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.047	ND	1.52	0.141		1
Methylene chloride	ND	0.500	0.134	ND	1.74	0.466		1
3-Chloropropene	ND	0.200	0.059	ND	0.626	0.183		1
Carbon disulfide	ND	0.200	0.056	ND	0.623	0.174		1
Freon-113	ND	0.200	0.066	ND	1.53	0.503		1
trans-1,2-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
1,1-Dichloroethane	ND	0.200	0.063	ND	0.809	0.254		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.189		1
Vinyl acetate	ND	1.00	0.048	ND	3.52	0.169		1
Xylenes, total	ND	0.600	0.045	ND	0.869	0.197		1
2-Butanone	ND	0.500	0.048	ND	1.47	0.142		1
cis-1,2-Dichloroethene	ND	0.200	0.117	ND	0.793	0.464		1
Ethyl Acetate	ND	0.500	0.122	ND	1.80	0.440		1
Chloroform	ND	0.200	0.063	ND	0.977	0.309		1
Tetrahydrofuran	ND	0.500	0.057	ND	1.47	0.168		1
2,2-Dichloropropane	ND	0.200	0.046	ND	0.924	0.212		1
1,2-Dichloroethane	ND	0.200	0.060	ND	0.809	0.244		1
n-Hexane	ND	0.200	0.036	ND	0.705	0.128		1
Diisopropyl ether	ND	0.200	0.062	ND	0.836	0.260		1
tert-Butyl Ethyl Ether	ND	0.200	0.042	ND	0.836	0.176		1
1,2-Dichloroethene (total)	ND	1.00	0.064	ND	1.00	0.255		1
1,1,1-Trichloroethane	ND	0.200	0.050	ND	1.09	0.273		1
1,1-Dichloropropene	ND	0.200	0.046	ND	0.908	0.207		1
Benzene	ND	0.200	0.049	ND	0.639	0.156		1
Carbon tetrachloride	ND	0.200	0.050	ND	1.26	0.314		1
Cyclohexane	ND	0.200	0.037	ND	0.688	0.127		1
tert-Amyl Methyl Ether	ND	0.200	0.048	ND	0.836	0.199		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2225888
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2225888-06
Client ID: CAN 2869 SHELF 6
Sample Location:

Date Collected: 05/17/22 09:00
Date Received: 05/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.056	ND	1.42	0.400		1
1,2-Dichloropropane	ND	0.200	0.061	ND	0.924	0.282		1
Bromodichloromethane	ND	0.200	0.050	ND	1.34	0.338		1
1,4-Dioxane	ND	0.200	0.081	ND	0.721	0.290		1
Trichloroethene	ND	0.200	0.051	ND	1.07	0.271		1
2,2,4-Trimethylpentane	ND	0.200	0.036	ND	0.934	0.169		1
Methyl Methacrylate	ND	0.500	0.070	ND	2.05	0.285		1
Heptane	ND	0.200	0.047	ND	0.820	0.193		1
cis-1,3-Dichloropropene	ND	0.200	0.041	ND	0.908	0.186		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.173		1
trans-1,3-Dichloropropene	ND	0.200	0.044	ND	0.908	0.198		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	ND	0.200	0.052	ND	0.754	0.196		1
1,3-Dichloropropane	ND	0.200	0.106	ND	0.924	0.490		1
2-Hexanone	ND	0.200	0.065	ND	0.820	0.266		1
Dibromochloromethane	ND	0.200	0.061	ND	1.70	0.523		1
1,2-Dibromoethane	ND	0.200	0.056	ND	1.54	0.431		1
Butyl acetate	ND	0.500	0.126	ND	2.38	0.599		1
Octane	ND	0.200	0.045	ND	0.934	0.208		1
Tetrachloroethene	ND	0.200	0.066	ND	1.36	0.444		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.056	ND	1.37	0.385		1
Chlorobenzene	ND	0.200	0.062	ND	0.921	0.287		1
Ethylbenzene	ND	0.200	0.043	ND	0.869	0.188		1
p/m-Xylene	ND	0.400	0.091	ND	1.74	0.395		1
Bromoform	ND	0.200	0.064	ND	2.07	0.663		1
Styrene	ND	0.200	0.043	ND	0.852	0.185		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.061	ND	1.37	0.422		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2225888
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2225888-06
Client ID: CAN 2869 SHELF 6
Sample Location:

Date Collected: 05/17/22 09:00
Date Received: 05/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.045	ND	0.869	0.197		1
1,2,3-Trichloropropane	ND	0.200	0.061	ND	1.21	0.368		1
Nonane	ND	0.200	0.046	ND	1.05	0.243		1
Isopropylbenzene	ND	0.200	0.049	ND	0.983	0.241		1
Bromobenzene	ND	0.200	0.061	ND	0.793	0.243		1
2-Chlorotoluene	ND	0.200	0.049	ND	1.04	0.252		1
n-Propylbenzene	ND	0.200	0.042	ND	0.983	0.206		1
4-Chlorotoluene	ND	0.200	0.056	ND	1.04	0.290		1
4-Ethyltoluene	ND	0.200	0.037	ND	0.983	0.182		1
1,3,5-Trimethylbenzene	ND	0.200	0.068	ND	0.983	0.332		1
tert-Butylbenzene	ND	0.200	0.042	ND	1.10	0.231		1
1,2,4-Trimethylbenzene	ND	0.200	0.037	ND	0.983	0.181		1
Decane	ND	0.200	0.040	ND	1.16	0.235		1
Benzyl chloride	ND	0.200	0.048	ND	1.04	0.250		1
1,3-Dichlorobenzene	ND	0.200	0.063	ND	1.20	0.377		1
1,4-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.382		1
sec-Butylbenzene	ND	0.200	0.043	ND	1.10	0.235		1
p-Isopropyltoluene	ND	0.200	0.052	ND	1.10	0.285		1
1,2-Dichlorobenzene	ND	0.200	0.063	ND	1.20	0.378		1
n-Butylbenzene	ND	0.200	0.044	ND	1.10	0.242		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.050	ND	1.93	0.478		1
Undecane	ND	0.200	0.043	ND	1.28	0.273		1
Dodecane	ND	0.200	0.066	ND	1.39	0.458		1
1,2,4-Trichlorobenzene	ND	0.200	0.067	ND	1.48	0.500		1
Naphthalene	ND	0.200	0.089	ND	1.05	0.464		1
1,2,3-Trichlorobenzene	ND	0.200	0.072	ND	1.48	0.531		1
Hexachlorobutadiene	ND	0.200	0.053	ND	2.13	0.564		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2225888**Project Number:** CANISTER QC BAT**Report Date:** 06/17/22**Air Canister Certification Results**

Lab ID: L2225888-06

Date Collected: 05/17/22 09:00

Client ID: CAN 2869 SHELF 6

Date Received: 05/17/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2225888
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2225888-06
Client ID: CAN 2869 SHELF 6
Sample Location:

Date Collected: 05/17/22 09:00
Date Received: 05/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/18/22 00:12
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.018	ND	0.989	0.089		1
Chloromethane	ND	0.200	0.024	ND	0.413	0.050		1
Freon-114	ND	0.050	0.007	ND	0.349	0.050		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.010	ND	0.044	0.022		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.033		1
Chloroethane	ND	0.100	0.014	ND	0.264	0.036		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.299	ND	2.38	0.710		1
Trichlorofluoromethane	ND	0.050	0.010	ND	0.281	0.053		1
Acrylonitrile	ND	0.500	0.025	ND	1.09	0.053		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.033		1
Methylene chloride	ND	0.500	0.013	ND	1.74	0.046		1
Freon-113	ND	0.050	0.009	ND	0.383	0.067		1
trans-1,2-Dichloroethene	ND	0.020	0.008	ND	0.079	0.030		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.030		1
Methyl tert butyl ether	ND	0.200	0.008	ND	0.721	0.030		1
2-Butanone	ND	0.500	0.027	ND	1.47	0.080		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.038		1
Chloroform	ND	0.020	0.009	ND	0.098	0.044		1
1,2-Dichloroethane	ND	0.020	0.010	ND	0.081	0.039		1
1,1,1-Trichloroethane	ND	0.020	0.008	ND	0.109	0.045		1
Benzene	ND	0.100	0.005	ND	0.319	0.016		1
Carbon tetrachloride	ND	0.020	0.010	ND	0.126	0.063		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2225888
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2225888-06
Client ID: CAN 2869 SHELF 6
Sample Location:

Date Collected: 05/17/22 09:00
Date Received: 05/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.005	ND	0.092	0.025		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.045		1
1,4-Dioxane	ND	0.100	0.032	ND	0.360	0.115		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.033		1
cis-1,3-Dichloropropene	ND	0.020	0.007	ND	0.091	0.032		1
4-Methyl-2-pentanone	ND	0.500	0.012	ND	2.05	0.049		1
trans-1,3-Dichloropropene	ND	0.020	0.007	ND	0.091	0.032		1
1,1,2-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Toluene	ND	0.100	0.014	ND	0.377	0.053		1
Dibromochloromethane	ND	0.020	0.009	ND	0.170	0.073		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.053		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.005	ND	0.137	0.036		1
Chlorobenzene	ND	0.100	0.006	ND	0.461	0.030		1
Ethylbenzene	ND	0.020	0.005	ND	0.087	0.021		1
p/m-Xylene	ND	0.040	0.019	ND	0.174	0.083		1
Bromoform	ND	0.020	0.007	ND	0.207	0.067		1
Styrene	ND	0.020	0.005	ND	0.085	0.021		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.006	ND	0.137	0.039		1
o-Xylene	ND	0.020	0.007	ND	0.087	0.029		1
Isopropylbenzene	ND	0.200	0.005	ND	0.983	0.026		1
4-Ethyltoluene	ND	0.020	0.004	ND	0.098	0.021		1
1,3,5-Trimethybenzene	ND	0.020	0.006	ND	0.098	0.028		1
1,2,4-Trimethylbenzene	ND	0.020	0.004	ND	0.098	0.021		1
Benzyl chloride	ND	0.100	0.007	ND	0.518	0.037		1
1,3-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.034		1
1,4-Dichlorobenzene	ND	0.020	0.005	ND	0.120	0.032		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2225888**Project Number:** CANISTER QC BAT**Report Date:** 06/17/22**Air Canister Certification Results**

Lab ID: L2225888-06

Date Collected: 05/17/22 09:00

Client ID: CAN 2869 SHELF 6

Date Received: 05/17/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	0.003	ND	1.10	0.018		1
p-Isopropyltoluene	ND	0.200	0.005	ND	1.10	0.025		1
1,2-Dichlorobenzene	ND	0.020	0.010	ND	0.120	0.059		1
n-Butylbenzene	ND	0.200	0.005	ND	1.10	0.026		1
1,2,4-Trichlorobenzene	ND	0.050	0.030	ND	0.371	0.223		1
Naphthalene	ND	0.050	0.035	ND	0.262	0.184		1
1,2,3-Trichlorobenzene	ND	0.050	0.013	ND	0.371	0.100		1
Hexachlorobutadiene	ND	0.050	0.017	ND	0.533	0.181		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2226183
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2226183-02
Client ID: CAN 377 SHELF 7
Sample Location:

Date Collected: 05/17/22 18:00
Date Received: 05/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/18/22 20:56
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.058	ND	0.707	0.207		1
Propylene	ND	0.500	0.060	ND	0.861	0.103		1
Propane	ND	0.500	0.132	ND	0.902	0.238		1
Dichlorodifluoromethane	ND	0.200	0.058	ND	0.989	0.288		1
Chloromethane	ND	0.200	0.069	ND	0.413	0.142		1
Freon-114	ND	0.200	0.059	ND	1.40	0.413		1
Methanol	ND	5.00	1.84	ND	6.55	2.41		1
Vinyl chloride	ND	0.200	0.063	ND	0.511	0.160		1
1,3-Butadiene	ND	0.200	0.067	ND	0.442	0.148		1
Butane	ND	0.200	0.065	ND	0.475	0.154		1
Bromomethane	ND	0.200	0.077	ND	0.777	0.300		1
Chloroethane	ND	0.200	0.081	ND	0.528	0.212		1
Ethanol	ND	5.00	0.733	ND	9.42	1.38		1
Dichlorofluoromethane	ND	0.200	0.081	ND	0.842	0.340		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.313		1
Acrolein	ND	0.500	0.060	ND	1.15	0.137		1
Acetone	ND	1.00	0.689	ND	2.38	1.64		1
Acetonitrile	ND	0.200	0.082	ND	0.336	0.138		1
Trichlorofluoromethane	ND	0.200	0.069	ND	1.12	0.386		1
Isopropanol	ND	0.500	0.478	ND	1.23	1.17		1
Acrylonitrile	ND	0.500	0.056	ND	1.09	0.120		1
Pentane	ND	0.200	0.066	ND	0.590	0.194		1
Ethyl ether	ND	0.200	0.074	ND	0.606	0.223		1
1,1-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2226183
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2226183-02
Client ID: CAN 377 SHELF 7
Sample Location:

Date Collected: 05/17/22 18:00
Date Received: 05/18/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.047	ND	1.52	0.141		1
Methylene chloride	ND	0.500	0.134	ND	1.74	0.466		1
3-Chloropropene	ND	0.200	0.059	ND	0.626	0.183		1
Carbon disulfide	ND	0.200	0.056	ND	0.623	0.174		1
Freon-113	ND	0.200	0.066	ND	1.53	0.503		1
trans-1,2-Dichloroethene	ND	0.200	0.064	ND	0.793	0.255		1
1,1-Dichloroethane	ND	0.200	0.063	ND	0.809	0.254		1
Methyl tert butyl ether	ND	0.200	0.053	ND	0.721	0.189		1
Vinyl acetate	ND	1.00	0.048	ND	3.52	0.169		1
Xylenes, total	ND	0.600	0.045	ND	0.869	0.197		1
2-Butanone	ND	0.500	0.048	ND	1.47	0.142		1
cis-1,2-Dichloroethene	ND	0.200	0.117	ND	0.793	0.464		1
Ethyl Acetate	ND	0.500	0.122	ND	1.80	0.440		1
Chloroform	ND	0.200	0.063	ND	0.977	0.309		1
Tetrahydrofuran	ND	0.500	0.057	ND	1.47	0.168		1
2,2-Dichloropropane	ND	0.200	0.046	ND	0.924	0.212		1
1,2-Dichloroethane	ND	0.200	0.060	ND	0.809	0.244		1
n-Hexane	ND	0.200	0.036	ND	0.705	0.128		1
Diisopropyl ether	ND	0.200	0.062	ND	0.836	0.260		1
tert-Butyl Ethyl Ether	ND	0.200	0.042	ND	0.836	0.176		1
1,2-Dichloroethene (total)	ND	1.00	0.064	ND	1.00	0.255		1
1,1,1-Trichloroethane	ND	0.200	0.050	ND	1.09	0.273		1
1,1-Dichloropropene	ND	0.200	0.046	ND	0.908	0.207		1
Benzene	ND	0.200	0.049	ND	0.639	0.156		1
Carbon tetrachloride	ND	0.200	0.050	ND	1.26	0.314		1
Cyclohexane	ND	0.200	0.037	ND	0.688	0.127		1
tert-Amyl Methyl Ether	ND	0.200	0.048	ND	0.836	0.199		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2226183
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2226183-02
Client ID: CAN 377 SHELF 7
Sample Location:

Date Collected: 05/17/22 18:00
Date Received: 05/18/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.056	ND	1.42	0.400		1
1,2-Dichloropropane	ND	0.200	0.061	ND	0.924	0.282		1
Bromodichloromethane	ND	0.200	0.050	ND	1.34	0.338		1
1,4-Dioxane	ND	0.200	0.081	ND	0.721	0.290		1
Trichloroethene	ND	0.200	0.051	ND	1.07	0.271		1
2,2,4-Trimethylpentane	ND	0.200	0.036	ND	0.934	0.169		1
Methyl Methacrylate	ND	0.500	0.070	ND	2.05	0.285		1
Heptane	ND	0.200	0.047	ND	0.820	0.193		1
cis-1,3-Dichloropropene	ND	0.200	0.041	ND	0.908	0.186		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.173		1
trans-1,3-Dichloropropene	ND	0.200	0.044	ND	0.908	0.198		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	ND	0.200	0.052	ND	0.754	0.196		1
1,3-Dichloropropane	ND	0.200	0.106	ND	0.924	0.490		1
2-Hexanone	ND	0.200	0.065	ND	0.820	0.266		1
Dibromochloromethane	ND	0.200	0.061	ND	1.70	0.523		1
1,2-Dibromoethane	ND	0.200	0.056	ND	1.54	0.431		1
Butyl acetate	ND	0.500	0.126	ND	2.38	0.599		1
Octane	ND	0.200	0.045	ND	0.934	0.208		1
Tetrachloroethene	ND	0.200	0.066	ND	1.36	0.444		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.056	ND	1.37	0.385		1
Chlorobenzene	ND	0.200	0.062	ND	0.921	0.287		1
Ethylbenzene	ND	0.200	0.043	ND	0.869	0.188		1
p/m-Xylene	ND	0.400	0.091	ND	1.74	0.395		1
Bromoform	ND	0.200	0.064	ND	2.07	0.663		1
Styrene	ND	0.200	0.043	ND	0.852	0.185		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.061	ND	1.37	0.422		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2226183
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2226183-02
Client ID: CAN 377 SHELF 7
Sample Location:

Date Collected: 05/17/22 18:00
Date Received: 05/18/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.045	ND	0.869	0.197		1
1,2,3-Trichloropropane	ND	0.200	0.061	ND	1.21	0.368		1
Nonane	ND	0.200	0.046	ND	1.05	0.243		1
Isopropylbenzene	ND	0.200	0.049	ND	0.983	0.241		1
Bromobenzene	ND	0.200	0.061	ND	0.793	0.243		1
2-Chlorotoluene	ND	0.200	0.049	ND	1.04	0.252		1
n-Propylbenzene	ND	0.200	0.042	ND	0.983	0.206		1
4-Chlorotoluene	ND	0.200	0.056	ND	1.04	0.290		1
4-Ethyltoluene	ND	0.200	0.037	ND	0.983	0.182		1
1,3,5-Trimethylbenzene	ND	0.200	0.068	ND	0.983	0.332		1
tert-Butylbenzene	ND	0.200	0.042	ND	1.10	0.231		1
1,2,4-Trimethylbenzene	ND	0.200	0.037	ND	0.983	0.181		1
Decane	ND	0.200	0.040	ND	1.16	0.235		1
Benzyl chloride	ND	0.200	0.048	ND	1.04	0.250		1
1,3-Dichlorobenzene	ND	0.200	0.063	ND	1.20	0.377		1
1,4-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.382		1
sec-Butylbenzene	ND	0.200	0.043	ND	1.10	0.235		1
p-Isopropyltoluene	ND	0.200	0.052	ND	1.10	0.285		1
1,2-Dichlorobenzene	ND	0.200	0.063	ND	1.20	0.378		1
n-Butylbenzene	ND	0.200	0.044	ND	1.10	0.242		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.050	ND	1.93	0.478		1
Undecane	ND	0.200	0.043	ND	1.28	0.273		1
Dodecane	ND	0.200	0.066	ND	1.39	0.458		1
1,2,4-Trichlorobenzene	ND	0.200	0.067	ND	1.48	0.500		1
Naphthalene	ND	0.200	0.089	ND	1.05	0.464		1
1,2,3-Trichlorobenzene	ND	0.200	0.072	ND	1.48	0.531		1
Hexachlorobutadiene	ND	0.200	0.053	ND	2.13	0.564		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2226183**Project Number:** CANISTER QC BAT**Report Date:** 06/17/22**Air Canister Certification Results**

Lab ID: L2226183-02

Date Collected: 05/17/22 18:00

Client ID: CAN 377 SHELF 7

Date Received: 05/18/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	92		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2226183
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2226183-02
Client ID: CAN 377 SHELF 7
Sample Location:

Date Collected: 05/17/22 18:00
Date Received: 05/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/18/22 20:56
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.018	ND	0.989	0.089		1
Chloromethane	ND	0.200	0.024	ND	0.413	0.050		1
Freon-114	ND	0.050	0.007	ND	0.349	0.050		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.010	ND	0.044	0.022		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.033		1
Chloroethane	ND	0.100	0.014	ND	0.264	0.036		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.299	ND	2.38	0.710		1
Trichlorofluoromethane	ND	0.050	0.010	ND	0.281	0.053		1
Acrylonitrile	ND	0.500	0.025	ND	1.09	0.053		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.033		1
Methylene chloride	ND	0.500	0.013	ND	1.74	0.046		1
Freon-113	ND	0.050	0.009	ND	0.383	0.067		1
trans-1,2-Dichloroethene	ND	0.020	0.008	ND	0.079	0.030		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.030		1
Methyl tert butyl ether	ND	0.200	0.008	ND	0.721	0.030		1
2-Butanone	ND	0.500	0.027	ND	1.47	0.080		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.038		1
Chloroform	ND	0.020	0.009	ND	0.098	0.044		1
1,2-Dichloroethane	ND	0.020	0.010	ND	0.081	0.039		1
1,1,1-Trichloroethane	ND	0.020	0.008	ND	0.109	0.045		1
Benzene	ND	0.100	0.005	ND	0.319	0.016		1
Carbon tetrachloride	ND	0.020	0.010	ND	0.126	0.063		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2226183
Report Date: 06/17/22

Air Canister Certification Results

Lab ID: L2226183-02
Client ID: CAN 377 SHELF 7
Sample Location:

Date Collected: 05/17/22 18:00
Date Received: 05/18/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.005	ND	0.092	0.025		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.045		1
1,4-Dioxane	ND	0.100	0.032	ND	0.360	0.115		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.033		1
cis-1,3-Dichloropropene	ND	0.020	0.007	ND	0.091	0.032		1
4-Methyl-2-pentanone	ND	0.500	0.012	ND	2.05	0.049		1
trans-1,3-Dichloropropene	ND	0.020	0.007	ND	0.091	0.032		1
1,1,2-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Toluene	ND	0.100	0.014	ND	0.377	0.053		1
Dibromochloromethane	ND	0.020	0.009	ND	0.170	0.073		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.053		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.005	ND	0.137	0.036		1
Chlorobenzene	ND	0.100	0.006	ND	0.461	0.030		1
Ethylbenzene	ND	0.020	0.005	ND	0.087	0.021		1
p/m-Xylene	ND	0.040	0.019	ND	0.174	0.083		1
Bromoform	ND	0.020	0.007	ND	0.207	0.067		1
Styrene	ND	0.020	0.005	ND	0.085	0.021		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.006	ND	0.137	0.039		1
o-Xylene	ND	0.020	0.007	ND	0.087	0.029		1
Isopropylbenzene	ND	0.200	0.005	ND	0.983	0.026		1
4-Ethyltoluene	ND	0.020	0.004	ND	0.098	0.021		1
1,3,5-Trimethybenzene	ND	0.020	0.006	ND	0.098	0.028		1
1,2,4-Trimethylbenzene	ND	0.020	0.004	ND	0.098	0.021		1
Benzyl chloride	ND	0.100	0.007	ND	0.518	0.037		1
1,3-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.034		1
1,4-Dichlorobenzene	ND	0.020	0.005	ND	0.120	0.032		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2226183**Project Number:** CANISTER QC BAT**Report Date:** 06/17/22**Air Canister Certification Results**

Lab ID: L2226183-02

Date Collected: 05/17/22 18:00

Client ID: CAN 377 SHELF 7

Date Received: 05/18/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	0.003	ND	1.10	0.018		1
p-Isopropyltoluene	ND	0.200	0.005	ND	1.10	0.025		1
1,2-Dichlorobenzene	ND	0.020	0.010	ND	0.120	0.059		1
n-Butylbenzene	ND	0.200	0.005	ND	1.10	0.026		1
1,2,4-Trichlorobenzene	ND	0.050	0.030	ND	0.371	0.223		1
Naphthalene	ND	0.050	0.035	ND	0.262	0.184		1
1,2,3-Trichlorobenzene	ND	0.050	0.013	ND	0.371	0.100		1
Hexachlorobutadiene	ND	0.050	0.017	ND	0.533	0.181		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

Project Name: ALLIANCE 51ST STREET**Lab Number:** L2227668**Project Number:** 30108678**Report Date:** 06/17/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2227668-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2227668-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2227668-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2227668-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2227668-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2227668-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2227668-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678

Lab Number: L2227668
Report Date: 06/17/22

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678

Lab Number: L2227668
Report Date: 06/17/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST STREET
Project Number: 30108678

Lab Number: L2227668
Report Date: 06/17/22

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ALLIANCE 51ST STREET
Project Number: 30108678

Lab Number: L2227668
Report Date: 06/17/22

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



ANALYTICAL REPORT

Lab Number:	L2236752
Client:	Arcadis U.S., Inc 1 Harvard Way Suite 5 Hillsborough, NJ 08844
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	ALLIANCE 51ST ST
Project Number:	30108678.03B
Report Date:	07/25/22

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

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



Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2236752-01	MW-1	WATER	PHILA, PA	07/11/22 11:00	07/11/22
L2236752-02	MW-2	WATER	PHILA, PA	07/11/22 12:10	07/11/22
L2236752-03	MW-3	WATER	PHILA, PA	07/11/22 09:40	07/11/22
L2236752-04	MW-4	WATER	PHILA, PA	07/11/22 12:45	07/11/22
L2236752-05	MW-5	WATER	PHILA, PA	07/11/22 10:15	07/11/22
L2236752-06	MW-7	WATER	PHILA, PA	07/11/22 13:30	07/11/22
L2236752-07	MW-8	WATER	PHILA, PA	07/11/22 09:15	07/11/22
L2236752-08	MW-9	WATER	PHILA, PA	07/11/22 11:45	07/11/22
L2236752-09	DUP-1	WATER	PHILA, PA	07/11/22 00:00	07/11/22
L2236752-10	FIELD BLANK	WATER	PHILA, PA	07/11/22 13:00	07/11/22
L2236752-11	TRIP BLANK	WATER	PHILA, PA	07/11/22 00:00	07/11/22

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

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: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2236752-04 and -08: The pH was greater than two; however, the sample was analyzed within the method required holding time.

L2236752-06D: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

L2236752-07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Volatile Organics by SIM

L2236752-04 and -08: The pH was greater than two; however, the sample was analyzed within the method required holding time.

L2236752-06D: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

L2236752-07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

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

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 07/25/22

ORGANICS

VOLATILES

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-01
Client ID: MW-1
Sample Location: PHILA, PA

Date Collected: 07/11/22 11:00
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 11:52
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	8.2	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.68		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	8.4	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-01
Client ID: MW-1
Sample Location: PHILA, PA

Date Collected: 07/11/22 11:00
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	0.60	J	ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	1.7		ug/l	1.0	0.33	1
o-Xylene	0.48	J	ug/l	1.0	0.39	1
Xylenes, Total	2.2	J	ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	1.8		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	0.52	J	ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	1.1		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	77		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	80		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-01
Client ID: MW-1
Sample Location: PHILA, PA

Date Collected: 07/11/22 11:00
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 11:52
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	70		70-130
4-Bromofluorobenzene	94		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-02
Client ID: MW-2
Sample Location: PHILA, PA

Date Collected: 07/11/22 12:10
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 12:17
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	0.45	J	ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	3.1	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	2.1		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	2.8	J	ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	2.3	J	ug/l	5.0	1.9	1
Benzene	3.2		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	3.1	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS****Lab ID:** L2236752-02**Date Collected:** 07/11/22 12:10**Client ID:** MW-2**Date Received:** 07/11/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	1.6		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	0.41	J	ug/l	0.50	0.17	1
p/m-Xylene	2.1		ug/l	1.0	0.33	1
o-Xylene	4.5		ug/l	1.0	0.39	1
Xylenes, Total	6.6		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	0.38	J	ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	3.7		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	3.1		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	6.8		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-02
Client ID: MW-2
Sample Location: PHILA, PA

Date Collected: 07/11/22 12:10
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 12:17
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	84			70-130		
4-Bromofluorobenzene	84			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-03
Client ID: MW-3
Sample Location: PHILA, PA

Date Collected: 07/11/22 09:40
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 12:41
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	3.4	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS****Lab ID:** L2236752-03**Date Collected:** 07/11/22 09:40**Client ID:** MW-3**Date Received:** 07/11/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	0.34	J	ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-03
Client ID: MW-3
Sample Location: PHILA, PA

Date Collected: 07/11/22 09:40
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 12:41
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	88			70-130		
4-Bromofluorobenzene	89			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-04
Client ID: MW-4
Sample Location: PHILA, PA

Date Collected: 07/11/22 12:45
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 13:05
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	8.4		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST

Lab Number: L2236752

Project Number: 30108678.03B

Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-04

Date Collected: 07/11/22 12:45

Client ID: MW-4

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	0.37	J	ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	0.30	J	ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-04
Client ID: MW-4
Sample Location: PHILA, PA

Date Collected: 07/11/22 12:45
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 13:05
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	92			70-130		
4-Bromofluorobenzene	90			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-05
Client ID: MW-5
Sample Location: PHILA, PA

Date Collected: 07/11/22 10:15
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 13:29
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS****Lab ID:** L2236752-05**Date Collected:** 07/11/22 10:15**Client ID:** MW-5**Date Received:** 07/11/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-05
Client ID: MW-5
Sample Location: PHILA, PA

Date Collected: 07/11/22 10:15
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 13:29
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	93			70-130		
4-Bromofluorobenzene	90			70-130		

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-06 D

Date Collected: 07/11/22 13:30

Client ID: MW-7

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/15/22 14:41

Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	25	1.2	5
Chloromethane	ND		ug/l	12	1.0	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Bromomethane	ND		ug/l	5.0	1.3	5
Chloroethane	ND		ug/l	5.0	0.67	5
Trichlorofluoromethane	ND		ug/l	12	0.80	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
Carbon disulfide	ND		ug/l	25	1.5	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	12	0.74	5
Methylene chloride	ND		ug/l	12	3.4	5
Acetone	12	J	ug/l	25	7.3	5
trans-1,2-Dichloroethene	ND		ug/l	3.8	0.82	5
Methyl Acetate	ND		ug/l	10	1.2	5
Methyl tert butyl ether	ND		ug/l	5.0	0.83	5
1,1-Dichloroethane	ND		ug/l	3.8	1.0	5
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.94	5
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.82	5
Cyclohexane	2.6	J	ug/l	50	1.4	5
Bromochloromethane	ND		ug/l	12	0.76	5
Chloroform	ND		ug/l	3.8	1.1	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,1,1-Trichloroethane	ND		ug/l	2.5	0.79	5
2-Butanone	ND		ug/l	25	9.7	5
Benzene	37		ug/l	2.5	0.80	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
Methyl cyclohexane	3.3	J	ug/l	50	2.0	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-06 D

Date Collected: 07/11/22 13:30

Client ID: MW-7

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	2.5	0.96	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Toluene	3.3	J	ug/l	3.8	1.0	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
4-Methyl-2-pentanone	ND		ug/l	25	2.1	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1,2-Trichloroethane	ND		ug/l	3.8	0.72	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,2-Dibromoethane	ND		ug/l	10	0.96	5
2-Hexanone	ND		ug/l	25	2.6	5
Chlorobenzene	ND		ug/l	2.5	0.89	5
Ethylbenzene	2.4	J	ug/l	2.5	0.84	5
p/m-Xylene	2.8	J	ug/l	5.0	1.7	5
o-Xylene	ND		ug/l	5.0	2.0	5
Xylenes, Total	2.8	J	ug/l	5.0	1.7	5
Styrene	ND		ug/l	5.0	1.8	5
Bromoform	ND		ug/l	10	1.2	5
Isopropylbenzene	0.94	J	ug/l	2.5	0.94	5
1,3,5-Trimethylbenzene	3.8	J	ug/l	12	1.1	5
1,2,4-Trimethylbenzene	9.8	J	ug/l	12	0.96	5
1,3-Dichlorobenzene	ND		ug/l	12	0.93	5
1,4-Dichlorobenzene	ND		ug/l	12	0.94	5
1,2-Dichlorobenzene	ND		ug/l	12	0.92	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	1.8	5
1,2,4-Trichlorobenzene	ND		ug/l	12	1.1	5
Naphthalene	4.2	J	ug/l	5.0	1.1	5
1,2,3-Trichlorobenzene	ND		ug/l	12	1.2	5

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

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-06 D
Client ID: MW-7
Sample Location: PHILA, PA

Date Collected: 07/11/22 13:30
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 14:41
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	15	5.4	5
1,1,2,2-Tetrachloroethane	ND		ug/l	0.250	0.029	5
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	92			70-130		
4-Bromofluorobenzene	85			70-130		

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-07 D

Date Collected: 07/11/22 09:15

Client ID: MW-8

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 07/15/22 15:05

Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	10	0.49	2
Chloromethane	ND		ug/l	5.0	0.40	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Bromomethane	ND		ug/l	2.0	0.51	2
Chloroethane	ND		ug/l	2.0	0.27	2
Trichlorofluoromethane	ND		ug/l	5.0	0.32	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
Carbon disulfide	ND		ug/l	10	0.60	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	5.0	0.30	2
Methylene chloride	ND		ug/l	5.0	1.4	2
Acetone	ND		ug/l	10	2.9	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Methyl tert butyl ether	ND		ug/l	2.0	0.33	2
1,1-Dichloroethane	ND		ug/l	1.5	0.42	2
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.37	2
1,2-Dichloroethene, Total	ND		ug/l	1.0	0.33	2
Cyclohexane	8.5	J	ug/l	20	0.54	2
Bromochloromethane	ND		ug/l	5.0	0.30	2
Chloroform	ND		ug/l	1.5	0.44	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,1,1-Trichloroethane	ND		ug/l	1.0	0.32	2
2-Butanone	13		ug/l	10	3.9	2
Benzene	ND		ug/l	1.0	0.32	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
Methyl cyclohexane	14	J	ug/l	20	0.79	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-07 D

Date Collected: 07/11/22 09:15

Client ID: MW-8

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	1.0	0.38	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Toluene	ND		ug/l	1.5	0.41	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
4-Methyl-2-pentanone	ND		ug/l	10	0.83	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1,2-Trichloroethane	ND		ug/l	1.5	0.29	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,2-Dibromoethane	ND		ug/l	4.0	0.39	2
2-Hexanone	ND		ug/l	10	1.0	2
Chlorobenzene	ND		ug/l	1.0	0.36	2
Ethylbenzene	ND		ug/l	1.0	0.33	2
p/m-Xylene	ND		ug/l	2.0	0.66	2
o-Xylene	ND		ug/l	2.0	0.78	2
Xylenes, Total	ND		ug/l	2.0	0.66	2
Styrene	ND		ug/l	2.0	0.72	2
Bromoform	ND		ug/l	4.0	0.50	2
Isopropylbenzene	30		ug/l	1.0	0.37	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	0.43	2
1,2,4-Trimethylbenzene	0.73	J	ug/l	5.0	0.38	2
1,3-Dichlorobenzene	ND		ug/l	5.0	0.37	2
1,4-Dichlorobenzene	ND		ug/l	5.0	0.37	2
1,2-Dichlorobenzene	0.87	J	ug/l	5.0	0.37	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	0.71	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.44	2
Naphthalene	1.3	J	ug/l	2.0	0.43	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	0.47	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-07 **D**
Client ID: MW-8
Sample Location: PHILA, PA

Date Collected: 07/11/22 09:15
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 15:05
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	6.0	2.1	2
1,1,2,2-Tetrachloroethane	ND		ug/l	0.100	0.011	2
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	83			70-130		
4-Bromofluorobenzene	89			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-08
Client ID: MW-9
Sample Location: PHILA, PA

Date Collected: 07/11/22 11:45
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 11:28
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	96		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	15		ug/l	5.0	1.9	1
Benzene	1.3		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	1.8	J	ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-08
Client ID: MW-9
Sample Location: PHILA, PA

Date Collected: 07/11/22 11:45
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	14		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	2.1	J	ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	11		ug/l	0.50	0.17	1
p/m-Xylene	88		ug/l	1.0	0.33	1
o-Xylene	76		ug/l	1.0	0.39	1
Xylenes, Total	160		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	4.9		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	34		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	100		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	41		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	73		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-08
Client ID: MW-9
Sample Location: PHILA, PA

Date Collected: 07/11/22 11:45
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 11:28
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
4-Bromofluorobenzene	84		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-09
Client ID: DUP-1
Sample Location: PHILA, PA

Date Collected: 07/11/22 00:00
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 13:53
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS****Lab ID:** L2236752-09**Date Collected:** 07/11/22 00:00**Client ID:** DUP-1**Date Received:** 07/11/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-09
Client ID: DUP-1
Sample Location: PHILA, PA

Date Collected: 07/11/22 00:00
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 13:53
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	95			70-130		
4-Bromofluorobenzene	90			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-10
Client ID: FIELD BLANK
Sample Location: PHILA, PA

Date Collected: 07/11/22 13:00
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 07:51
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS****Lab ID:** L2236752-10**Date Collected:** 07/11/22 13:00**Client ID:** FIELD BLANK**Date Received:** 07/11/22**Sample Location:** PHILA, PA**Field Prep:** Refer to COC**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-10
Client ID: FIELD BLANK
Sample Location: PHILA, PA

Date Collected: 07/11/22 13:00
Date Received: 07/11/22
Field Prep: Refer to COC

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 07:51
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	95			70-130		
4-Bromofluorobenzene	90			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-11
Client ID: TRIP BLANK
Sample Location: PHILA, PA

Date Collected: 07/11/22 00:00
Date Received: 07/11/22
Field Prep: None

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 07:27
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Cyclohexane	ND		ug/l	10	0.27	1
Bromochloromethane	ND		ug/l	2.5	0.15	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS****Lab ID:** L2236752-11**Date Collected:** 07/11/22 00:00**Client ID:** TRIP BLANK**Date Received:** 07/11/22**Sample Location:** PHILA, PA**Field Prep:** None**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Naphthalene	ND		ug/l	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

SAMPLE RESULTS

Lab ID: L2236752-11
Client ID: TRIP BLANK
Sample Location: PHILA, PA

Date Collected: 07/11/22 00:00
Date Received: 07/11/22
Field Prep: None

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 07:27
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	1.1	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	94			70-130		
4-Bromofluorobenzene	90			70-130		

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/15/22 07:02
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1663966-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Cyclohexane	ND		ug/l	10	0.27
Bromochloromethane	ND		ug/l	2.5	0.15
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Methyl cyclohexane	ND		ug/l	10	0.40
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/15/22 07:02
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1663966-5					
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
Naphthalene	ND		ug/l	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/15/22 07:02
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1663966-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	105		70-130

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 07/15/22 07:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-11 Batch: WG1663973-5					
1,4-Dioxane	ND		ug/l	3.0	1.1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
4-Bromofluorobenzene	90		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2236752

Report Date: 07/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1663966-3 WG1663966-4								
Dichlorodifluoromethane	100		99		36-147	1		20
Chloromethane	94		91		64-130	3		20
Vinyl chloride	120		110		55-140	9		20
Bromomethane	81		97		39-139	18		20
Chloroethane	120		120		55-138	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,1-Dichloroethene	110		110		61-145	0		20
Carbon disulfide	110		100		51-130	10		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		110		70-130	0		20
Methylene chloride	110		100		70-130	10		20
Acetone	120		100		58-148	18		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Methyl Acetate	110		100		70-130	10		20
Methyl tert butyl ether	110		100		63-130	10		20
1,1-Dichloroethane	110		100		70-130	10		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Cyclohexane	100		100		70-130	0		20
Bromochloromethane	120		110		70-130	9		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
2-Butanone	130		110		63-138	17		20
Benzene	110		110		70-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2236752

Report Date: 07/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1663966-3 WG1663966-4								
1,2-Dichloroethane	100		95		70-130	5		20
Methyl cyclohexane	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichloropropane	110		100		70-130	10		20
Bromodichloromethane	110		100		67-130	10		20
cis-1,3-Dichloropropene	110		100		70-130	10		20
Toluene	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Dibromochloromethane	110		100		63-130	10		20
1,2-Dibromoethane	110		110		70-130	0		20
2-Hexanone	120		110		57-130	9		20
Chlorobenzene	110		110		75-130	0		20
Ethylbenzene	110		110		70-130	0		20
p/m-Xylene	120		120		70-130	0		20
o-Xylene	120		120		70-130	0		20
Styrene	115		115		70-130	0		20
Bromoform	100		100		54-136	0		20
Isopropylbenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2236752

Report Date: 07/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1663966-3 WG1663966-4								
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	110		100		41-144	10		20
1,2,4-Trichlorobenzene	98		98		70-130	0		20
Naphthalene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		94		70-130
Toluene-d8	100		104		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	103		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST ST

Project Number: 30108678.03B

Lab Number: L2236752

Report Date: 07/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-11 Batch: WG1663973-3 WG1663973-4								
1,4-Dioxane	100		110		70-130	10		25
1,1,2,2-Tetrachloroethane	105		111		70-130	6		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		95		70-130
4-Bromofluorobenzene	89		89		70-130

METALS

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-01

Date Collected: 07/11/22 11:00

Client ID: MW-1

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	07/12/22 20:00	07/15/22 13:52	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-02

Date Collected: 07/11/22 12:10

Client ID: MW-2

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	07/12/22 20:00	07/15/22 13:57	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-03

Date Collected: 07/11/22 09:40

Client ID: MW-3

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	07/12/22 20:00	07/16/22 09:16	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-04

Date Collected: 07/11/22 12:45

Client ID: MW-4

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	0.5060	J	ug/l	1.000	0.3430	1	07/12/22 20:00	07/16/22 09:21	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-05

Date Collected: 07/11/22 10:15

Client ID: MW-5

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	07/12/22 20:00	07/15/22 14:29	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-06

Date Collected: 07/11/22 13:30

Client ID: MW-7

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	0.5604	J	ug/l	1.000	0.3430	1	07/12/22 20:00	07/16/22 09:26	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-07

Date Collected: 07/11/22 09:15

Client ID: MW-8

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	07/12/22 20:00	07/15/22 14:40	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-08

Date Collected: 07/11/22 11:45

Client ID: MW-9

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	27.70		ug/l	1.000	0.3430	1	07/12/22 20:00	07/15/22 14:45	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-09

Date Collected: 07/11/22 00:00

Client ID: DUP-1

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	07/12/22 20:00	07/15/22 14:50	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**SAMPLE RESULTS**

Lab ID: L2236752-10

Date Collected: 07/11/22 13:00

Client ID: FIELD BLANK

Date Received: 07/11/22

Sample Location: PHILA, PA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	07/12/22 20:00	07/15/22 14:18	EPA 3005A	1,6020B	SV



Project Name: ALLIANCE 51ST ST

Lab Number: L2236752

Project Number: 30108678.03B

Report Date: 07/25/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1661934-1										
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	07/12/22 20:00	07/15/22 13:09	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control**Project Name:** ALLIANCE 51ST ST**Project Number:** 30108678.03B**Lab Number:** L2236752**Report Date:** 07/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1661934-2								
Lead, Dissolved	101		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1661934-3 WG1661934-4 QC Sample: L2233915-02 Client ID: MS Sample												
Lead, Dissolved	ND	530	526.0	99		531.3	100		75-125	1		20

Project Name: ALLIANCE 51ST ST**Lab Number:** L2236752**Project Number:** 30108678.03B**Report Date:** 07/25/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2236752-01A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-01B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-01C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-01D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-02A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-02B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-02C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-02D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-03A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-03B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-03C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-03D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-04A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-04B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-04C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-04D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-05A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-05B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-05C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-05D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-06A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-06B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-06C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Serial_No:07252212:51
Lab Number: L2236752
Report Date: 07/25/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2236752-06D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-07A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-07B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-07C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-07D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-08A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-08B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-08C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-08D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-09A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-09B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-09C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-09D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-10A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-10B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-10C	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-10D	Plastic 250ml HNO3 preserved	A	<2	<2	4.6	Y	Absent		PB-6020S-PPB(180)
L2236752-11A	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2236752-11B	Vial HCl preserved	A	NA		4.6	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

Data Qualifiers

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: ALLIANCE 51ST ST
Project Number: 30108678.03B

Lab Number: L2236752
Report Date: 07/25/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



CHAIN OF CUSTODY

PAGE 1 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: Milford 51st StProject Location: Phila BProject #: 3008678.03BProject Manager: Larry Blank

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Date Rec'd in Lab: 7/12/22ALPHA Job #: 122 36752

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

Client Information

Client: ArradisAddress: 1 Harford Way Ste 5
N. Attleboro MAPhone: 908-516-1000

Fax:

Email: Larry.Blank@arradis.com
☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS										TOTAL # BOTTLES
		Date	Time													
36752-01	MW-1	7/11/22	1100	AG	MCH/MA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4
-02	MW-2		1210			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
-03	MW-3		945			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
-04	MW-4		1245			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
-05	MW-5		1015			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
-06	MW-7		1330			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
-07	MW-8		915			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
-08	MW-9		1145			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
-09	DUP		X			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
-10	Field Blank		1700			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

SAMPLE HANDLING

Filtration
☒ Done for 1-400
☐ Not needed
☐ Lab to do
 Preservation
☐ Lab to do
 (Please specify below)

Sample Specific Comments

Container Type ALPPreservative AC

Relinquished By:

Date/Time

Received By:

Date/Time

Mitch N. Linch7/11/22 1400Donna D. Al07-11-22 14:25Donna D. Al07-11-22 1500Donna D. Al7-11-22 1500

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.



CHAIN OF CUSTODY

PAGE 2 OF 2

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: *Alliance 51st St*Project Location: *Philly, PA*Project #: *3010867803B*Project Manager: *Larry Brund*

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Date Rec'd in Lab: *7/12/22*

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables
ALPHA Job #: *12236752*

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

Client Information

Client: *Armedis*Address: *1 Harvard Way Ste 4
Hillsborough, NJ*Phone: *908-526-1000*

Fax:

Email: *Larry.Brund@Paradise.org*
☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection

Date

Time

Sample
MatrixSampler's
InitialsANALYSIS
Ver. P

SAMPLE HANDLING

Filtration _____

- ☐ Done
☐ Not needed
☐ Lab to do
☐ Lab to do

(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

36752-11

Trip Blank

—

No

Lrb

X

2

Container Type *ALB*Preservative *B*

Relinquished By:

Date/Time

Received By:

Date/Time

*Munkit H. Hink**7/11/22 11:00**Tom Breda**07/11/22 1425**Rory Breda**07/11/22 1500**MD**7/11/22 1500*

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.

APPENDIX D

MONITORING WELL PURGE LOGS

Groundwater Sampling Form



Project Number: _____
Date: 10/25/21
Sampling Time: 1235
Weather: 70 Sunny

Site: Buñance Well ID: PLW-001
 Sampled By: NS
 Recorded By: NS
 Duplicate/QA/QC: _____

Instrument:	PID	Water Quality Meter(s) Horiba U-52
Serial #:		N936TVGF

Casing Material:	PS
Casing Diameter:	PVC
Total Depth:	20.110
Depth to Water:	10.40
Water Column:	9.710
Gallons/Foot:	.110
Gallons in Well:	1.56110

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic

Screen Interval: From: _____ To: _____

Sampling Interval: _____

Volumes to be Purged: _____

Total Volume Purged: _____

Pump On: 1154 Off: _____

PID Reading: N/A

[illegible]

Well Condition: Good
Color: _____
Odor: _____

Purge Water Disposal: Ground
 Turbidity(qualitative): _____
 Other (OVA, HNU,etc.): _____

Constituents Sampled	Container Description	
	From Lab <u>✓</u> ARCADIS <u> </u>	Preservative

Project Number: 3 Site: Alliance Well ID: MW-002
Date: 10/25/21 Sampled By: NS
Sampling Time: 1135 Recorded By: NS
Weather: 65 cloudy Duplicate/QA/QC: N/A

Instrument Identification

Instrument:	PID	Water Quality Meter(s) Horiba U-52
Serial #:		N93101VCF

Purging Information

Casing Material: 2" PVC Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
Casing Diameter: PVC Screen Interval: From: _____ To: _____
Total Depth: 20.22 Sampling Interval: _____
Depth to Water: 7.23 Volumes to be Purged: _____
Water Column: 12.99 Total Volume Purged: _____
Gallons/Foot: .16 Pump On: 1039 Off: _____
Gallons in Well: 2.0784 PID Reading: N/A

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
1040	0	200	0	7.54	6.13	0.431	85.2	0.77	16.81	-49	Black
1045	5		.25	7.45	6.30	0.418	56.2	0.57	16.97	-66	
1050	10		1.00	7.56	6.64	0.408	6.7	0.63	16.30	-101	
1055	15		2.0	7.10	6.44	0.415	10.3	0.67	16.42	-99	
1100	20		3.0	7.70	6.82	0.413	3.2	0.80	16.43	-130	
1105	25		4.00	7.93	7.00	0.415	4.3	1.04	16.15	-155	
1110	30		5.00	8.52	7.85	0.415	5.9	1.30	16.26	-240	
1115	35		6.00	8.49	8.35	0.411	3.2	1.53	16.15	-289	
1120	40		7.00	8.53	8.86	0.406	1.6	1.50	16.16	-305	
1125	45		8.00	8.98	8.34	0.418	3.4	1.46	16.12	-301	
1130	50		9.00	8.21	8.42	0.410	0.9	1.47	16.18	-306	

Observations During Sampling

Well Condition: Good Purge Water Disposal: Ground
Color: _____ Turbidity(qualitative): _____
Odor: _____ Other (OVA, HNU, etc.): _____

Constituents Sampled	Container Description	
	From Lab <input checked="" type="checkbox"/> ARCADIS	Preservative

Project Number: _____
 Date: 10/25/21
 Sampling Time: 1405
 Weather: 70 Sunny

Site: Altance Well ID: MW-003
 Sampled By: NS
 Recorded By: NS
 Duplicate/QA/QC: DUP-1

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52 <u>N936TUCF</u>

Purging Information

Casing Material: PVC
 Casing Diameter: 2"
 Total Depth: 24.75
 Depth to Water: 6.74
 Water Column: 18.01
 Gallons/Foot: .16
 Gallons in Well: 2.8816

Purge Method:(circle one) Submersible Centrifugal Bladder Bailer Peristaltic
 Screen Interval: From: _____ To: _____
 Sampling Interval: _____
 Volumes to be Purged: _____
 Total Volume Purged: _____
 Pump On: 1249 Off: _____
 PID Reading: N/A

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
1250	0	2.00	—	7.02	6.85	1.58	57.5	0.37	17.53	-63	
1255	5		.25	7.02	6.78	1.63	90.7	0.05	17.27	-96	
1300	10		.50	7.02	6.81	1.48	116.4	0.00	17.66	-96	
1305	15		.75	7.02	6.88	1.22	14.9	0.00	18.22	-29	
1310	20		1.00	7.02	7.81	0.715	174	0.00	18.01	.8	1. yellow
1315	25		1.50	7.02	9.39	0.681	30.2	0.00	18.30	-76	2. yellow
1320	30		2.00	7.02	10.36	0.673	35.7	0.00	18.34	-142	yellow
1325	35		2.50	7.02	10.31	0.663	39.3	0.00	18.45	-160	
1330	40		3.00	7.02	10.93	0.696	64.5	0.00	18.52	179	
1335	45		3.50	7.02	11.43	0.797	90.2	0.00	18.73	-702	
1340	50		4.00	7.02	11.57	0.839	44.1	0.07	18.40	-201	
1345	55		4.50	7.02	11.70	0.910	36.8	0.11	18.60	-196	
1350	60		5.00	7.02	11.78	0.982	25.3	0.17	18.45	-188	
1355	65		5.50	7.02	11.76	0.979	26.2	0.27	18.55	-185	
1400	70		6.00	7.02	11.75	0.977	27.4	0.35	18.39	-181	
1405	75										

Observations During Sampling

Well Condition: Good
 Color: _____
 Odor: _____

Purge Water Disposal: Ground
 Turbidity(qualitative): _____
 Other (OVA, HNU, etc.): _____

Constituents Sampled	Container Description	
	From Lab <input checked="" type="checkbox"/> ARCADIS	Preservative

Project Number: _____ Site: Milance Well ID: MW-00071
 Date: 10/25/21 Sampled By: NS
 Sampling Time: 1500 1600 Recorded By: NS
 Weather: TO Sunny Duplicate/QA/QC: N/A

Instrument Identification

Instrument:	PID	Water Quality Meter(s) Horiba U-52
Serial #:		

Purging Information

Casing Material: PVC Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
 Casing Diameter: 2" Screen Interval: From: _____ To: _____
 Total Depth: 21.50 Sampling Interval: _____
 Depth to Water: 11.62 Volumes to be Purged: _____
 Water Column: 9.88 Total Volume Purged: _____
 Gallons/Foot: .14 Pump On: _____ Off: _____
 Gallons in Well: 1.5808 PID Reading: N/A

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
1445	0	100	-	11.73	12.84	5.83	475	6.31	18.83	-127	yellow
1450	5		.25	11.75	12.80	5.86	321	6.28	17.02	-246	yellow
1455	10		.50	11.75	12.76	5.97	279	6.26	16.22	-326	yellow
1500	15		1.00	11.75	12.90	5.92	178	1.75	16.99	-333	yellow
1505	20		1.50	11.75	12.78	5.55	721	1.36	19.78	-308	
1510	25		2.00	11.75	12.97	6.34	747	1.73	15.37	-104	
1515	30		2.50	11.75	12.92	6.21	642	1.78	13.22	-117	
1520	35		3.00	11.75	12.88	6.20	643	1.67	17.16	-116	
1525	40		3.50	11.75	12.91	6.19	362	1.52	17.18	-114	
1530	45		4.00	11.75	12.94	6.52	331	1.41	16.01	-116	
1535	50		4.50	11.75	12.95	6.50	324	1.39	16.13	-121	
1540	55		5.00	11.75	12.97	6.49	169	1.48	16.11	-121	
1545	60		5.50	11.75	12.96	6.39	493	1.76	15.57	-114	
1550	65		6.00	11.75	12.97	6.44	52.7	1.68	15.50	-113	
1555	70		6.50	11.75	12.96	6.44	50.2	1.74	15.38	-111	

Observations During Sampling

Well Condition: Good Purge Water Disposal: Ground
 Color: _____ Turbidity(qualitative): _____
 Odor: _____ Other (OVA, HNU, etc.): _____

Constituents Sampled	From Lab <input checked="" type="checkbox"/> ARCADIS	Container Description	Preservative

Groundwater Sampling Form



Project Number: _____
Date: 10/25/21
Sampling Time: _____
Weather: _____

Site: _____ Well ID: FW-005
 Sampled By: _____
 Recorded By: _____
 Duplicate/QA/QC: _____

Instrument Identification

Instrument:	PID	Water Quality Meter(s) Horiba U-52
Serial #:		

Purging Information

Casing Material: PVC

Casing Diameter: 2"

Total Depth: 11.84

Depth to Water: 11.88

Water Column: _____

Gallons/Foot: _____

Gallons in Well: _____

Purge Method:(circle one) Submersible Centrifugal Bladder Bailer Peristaltic

Screen Interval: From: To:

Sampling Interval: _____

Volumes to be Purged: _____

Total Volume Purged: _____

Pump On: _____ Off: _____

PID Reading: N/A

Field Parameter Measurements During Purging

[illegible]

Observations During Sampling

Well Condition: _____
Color: _____
Odor: _____

Purge Water Disposal: _____
 Turbidity(qualitative): _____
 Other (OVA, HNU,etc.): _____

Constituents Sampled	Container Description	
	From Lab _____ ARCADIS _____	Preservative

Project Number: 306647d Site: 9/51 9/11-2 Well ID: U-114
 Date: 10/22/21 Sampled By: ML
 Sampling Time: - Recorded By: ML
 Weather: Sunny Duplicate/QA/QC: -

Instrument Identification

Instrument	PID	Water Quality Meter(s)
Serial #:		Horiba U-52

Purging Information

Casing Material: PVC / Pie Ring Purge Method (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
 Casing Diameter: 1 Screen Interval: From: _____ To: _____
 Total Depth: - Sampling Interval: _____
 Depth to Water: - Volumes to be Purged: _____
 Water Column: _____ Total Volume Purged: _____
 Gallons/Foot: _____ Pump On: _____ Off: _____
 Gallons in Well: _____ PID Reading: N/A

Field Parameter Measurements During Purging

Sample Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments
761 1310	-	-	-	3.0	11.4	0.629	7.01	9.21	18.27	-41	Yellow
	C 10th screen										
762 1325				13.25	8.1	0.757	7.02	10.71	18.24	-42	Clear
			4-15'	5.11m							
763 1341				13.75	8.1	0.762	7.02	9.61	18.27	-42	Clear
			5-15'	5.11m							
764 -			DRY								
			4-15'	5.11m							
765 1400				2.91	12.61	0.641	7.02	6.91	18.02	-57	Yellow

Observations During Sampling

Well Condition: _____ Purge Water Disposal: _____
 Color: _____ Turbidity (qualitative): _____
 Odor: _____ Other (OVA, HNU, etc.): _____

Constituents Sampled	Container Description	
	From Lab	Preservative
	ARCADIS	

ARCADIS

Groundwater Sampling Form



Project Number: 30108678.03B Site: Alliance 51st St Well ID: MV. 1
 Date: 08/22 4/11/22 Sampled By: MA
 Sampling Time: 12:55 Recorded By: MA
 Weather: cloudy 5e° Duplicate/QA/QC: MA

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52

Purging Information

Casing Material: Pr
 Casing Diameter: 2
 Total Depth: 19.92
 Depth to Water: 16.14
 Water Column: 9.78
 Gallons/Foot: 0.16
 Gallons in Well: 1.56 98

Purge Method:(circle one) Submersible Centrifugal Bladder Bailer Peristaltic
 Screen Interval: From: _____ To: _____
 Sampling Interval: _____
 Volumes to be Purged: _____
 Total Volume Purged: 4.00
 Pump On: 12:10 Off: 12:50
 PID Reading: 0.02

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (umhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
12:10	~	250	~	10.24	6.77	0.809	463	0.48	13.47	-113	
12:15	5	250	0.75	10.25	6.90	0.810	720	0.41	13.07	-114	
12:20	10		2.10	10.22	7.01	0.805	29.4	0.00	12.09	-125	
12:25	15		2.50	10.16	7.06	0.802	20.0	0.00	12.25	-128	
12:30	20		2.75	10.14	7.05	0.800	15.5	0.00	12.36	-130	
12:35	25		3.00	10.14	7.05	0.800	13.00	0.00	12.41	-131	
12:40	30		3.50	10.11	7.04	0.797	8.1	0.00	12.71	-131	
12:45	35		3.75	10.20	7.04	0.798	9.2	0.00	12.77	-131	
12:50	40		4.00	10.23	7.05	0.797	8.9	0.00	12.89	-133	
12:55	45										
1:00	50										

Observations During Sampling

Well Condition: good Purge Water Disposal: _____
 Color: cloudy grey Turbidity(qualitative): _____
 Odor: yes Other (OVA, HNU,etc.): _____

Constituents Sampled	From Lab	ARCADIS	Container Description	Preservative
VOCs	3x Vials			HCL
Lead	1 x 250ml Plastic			HNO3

Project Number: 30108678.03B
Date: 01/26/22 4/1/22
Sampling Time: 14:35
Weather: cloudy 30°

Site: Alliance 51st St
Well ID: MW-2
Sampled By: MH
Recorded By: MH
Duplicate/QA/QC: —

Instrument Identification

Instrument:	PID	Water Quality Meter(s) Hörriba U-52
Serial #:		

Purging Information

Casing Material: PVC
Casing Diameter: 2
Total Depth: 19.93
Depth to Water: 6.88
Water Column: 13.05
Gallons/Foot: 0.16
Gallons in Well: 2.068

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
Screen Interval: From: To:
Sampling Interval:
Volumes to be Purged:
Total Volume Purged: 8.75
Pump On: 13:25 Off:
PID Reading: G/C/C

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
13:25	1	250	0	6.88	7.07	0.485	553	0.32	14.74	-131	dark color
13:30	6	750	1.50	6.36	7.29	0.461	59.5	0.18	14.70	-157	dark grey color
13:35	11		3.25	7.21	7.35	0.487	122	0.31	14.69	-181	light
13:40	16		3.75	7.24	7.53	0.484	52.2	0.48	14.75	-221	light grey
13:45	21		4.00	7.25	7.63	0.469	40.3	0.66	14.71	-236	
13:50	26		5.00		7.81	0.487	18.0	0.87	14.71	-266	
13:55	31			Bottom	died						Black color
14:00	36		6.50	7.21	7.40	0.506	100.0	1.06	14.81	-171	
14:05	41		6.00	7.20	7.65	0.467	39.2	2.87	14.85	-265	light grey
14:10	46		6.50	7.22	8.43	0.483	30.3	4.50	14.80	-299	
14:15	51		7.25	7.28	8.48	0.463	13.0	3.84	14.80	-315	
14:20	56		8.00	7.30	8.26	0.493	13.4	3.40	14.77	-305	
14:25	61		8.25	7.30	8.16	0.465	13.2	3.08	14.74	-314	
14:30	66		8.75	7.31	8.22	0.489	13.3	3.52	14.71	-315	

Observations During Sampling

Well Condition: good
Color: —
Odor: —

Purge Water Disposal: —
Turbidity(qualitative): —
Other (OVA, HNU, etc.): —

Constituents Sampled	Container Description	
	From Lab	Preservative
VOCs	ARCADIS 3x Vials	HCL
Lead	1 x 250ml Plastic	HNO3

Groundwater Sampling Form



Well ID: 11V-3

Sampled By: MR

Recorded By: M D I

Duplicate/QA/QC:

Instrument:	PID	Water Quality Meter(s) Horiba U-52
Serial #:		

Purge Method:(circle one) Submersible Centrifugal Bladder Bailer Peristaltic

Screen Interval: From: To:

Sampling Interval: _____

Volumes to be Purged: _____

Total Volume Purged: _____

Pump On: Off:

PID Reading: 0/c/c

[illegible]

Purge Water Disposal:

Turbidity(qualitative): 1

Other (OVA, HNU, etc.): _____

Constituents Sampled	Container Description	
	From Lab _____	ARCADIS _____
VOCs	3x Vials	Preservative HCL
Lead	1 x 250ml Plastic	HNO3

Groundwater Sampling Form



Well ID: ME-4

Sampled By: MD

Recorded By: ML

Duplicate/QA/QC: 1

Instrument:	PID	Water Quality Meter(s) Horiba U-52
Serial #:		

Casing Material:	1/2"
Casing Diameter:	2
Total Depth:	2195
Depth to Water:	816.3
Water Column:	12.92
Gallons/Foot:	0.16
Gallons in Well:	2107

Screen Interval: From: To:

Sampling Interval: _____

Volumes to be Purged: _____

Total Volume Purged: _____

Pump On: _____ Off: _____

PID Reading: 0/0/0

[illegible]

Well Condition: Good
Color: Yellow
Odor: None

Purge Water Disposal:

Turbidity(qualitative): _____

Other (OVA, HNU, etc.): _____

Constituents Sampled	Container Description	
	From Lab _____	ARCADIS _____
VOCs	3x Vials	HCL
Lead	1 x 250ml Plastic	HNO3

Groundwater Sampling Form



Well ID: 11-10-0

Instrument:	PID	Water Quality Meter(s) Horiba U-52
Serial #:		

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic

Screen Interval: From: _____ To: _____

Sampling Interval: _____

Volumes to be Purged: _____

Total Volume Purged: 5.00 _____

Pump On: 9:40 Off: 10:25

PID Reading: 0.010

[illegible]

Purge Water Disposal: _____
Turbidity(qualitative): _____
Other (OVA, HNU, etc.): _____

Constituents Sampled	Container Description	
	From Lab _____ 3x Vials	ARCADIS _____ Preservative HCL
VOCs		
Lead	1 x 250ml Plastic	HNO3

Groundwater Sampling Form



Project Number: 30108678.03B
Date: 01/20/22 4/11/22
Sampling Time: 1400
Weather: Cloudy, 40

Site: Alliance 51st St
Well ID: M9-7
Sampled By: MH
Recorded By: MH
Duplicate/QA/QC: D&P-1

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52

Purging Information

Casing Material: PVC
Casing Diameter: 2
Total Depth: 18.00
Depth to Water: 4.96
Water Column: 13.04
Gallons/Foot: 209 ml 0.16
Gallons in Well: 2.59

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
Screen Interval: From: To:
Sampling Interval:
Volumes to be Purged:
Total Volume Purged:
Pump On: Off:
PID Reading: 0.0/0

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (S Units)	Conductivity (umhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
1315	5	240		4.96	12.0	2.0	7.1	3.5	12.4	-117	
1320	10			5.02	12.0	2.07	7.1	1.7	12.4	-141	
1325	15			5.10	12.2	1.61	8.2	0.17	12.4	-167	
1330	20			5.10	12.4	1.81	5.17	0.0	12.0	-159	
1335	25			5.11	12.5	1.91	2.48	0.0	11.9	-152	
1340	30			5.14	12.57	1.57	1.66	0.0	11.7	-147	
1345	35			5.14	12.57	1.57	1.64	0.0	11.7	-147	
1350	40		6	5.15	12.57	1.57	1.65	0.0	11.7	-147	

Observations During Sampling

Well Condition: Good
Color: yellow
Odor: none

Purge Water Disposal:
Turbidity(qualitative):
Other (OVA, HNU, etc.):

Constituents Sampled	Container Description	
	From Lab	Preservative
VOCs	3x Vials	HCL
Lead	1 x 250ml Plastic	HNO3

Groundwater Sampling Form



Instrument Identification

Purging Information

Field Parameter Measurements During Purging

Observations During Sampling

Constituents Sampled	Container Description	
	From Lab _____ ARCADIS _____	Preservative
VOCs	3x Vials	HCL
Lead	1 x 250ml Plastic	HNO3

Groundwater Sampling Form



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for natural and
built assets.**

Project Number: 30108678.03B
Date: ~~5/12/22~~ 4/1/23
Sampling Time: 1:30
Weather: Cloudy, 52°F

Site: Alliance 51st St Well ID: MW-9
 Sampled By: MTT MDH
 Recorded By: MDH
 Duplicate/QA/QC: —

Instrument:	PID	Water Quality Meter(s) Horiba U-52
Serial #:		

Casing Material:	Pr
Casing Diameter:	2
Total Depth:	21.80
Depth to Water:	9.93
Water Column:	11.87
Gallons/Foot:	6.14
Gallons in Well:	1.90

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic

Screen Interval: From: _____ To: _____

Sampling Interval: _____

Volumes to be Purged: _____

Total Volume Purged: _____

Pump On: _____ Off: _____

PID Reading: a/c/b

[illegible]

Well Condition: Good
Color: Clear
Odor: None

Purge Water Disposal: _____
Turbidity(qualitative): _____
Other (OVA, HNU, etc.): _____

Constituents Sampled	From Lab _____ ARCADIS _____	Container Description	Preservative
VOCs	3x Vials		HCL
Lead	1 x 250ml Plastic		HNO3

ARCADIS

Groundwater Sampling Form



Project Number: 30108678.03B Site: Alliance 51st St Well ID: MW-1
 Date: 07/11/22 Sampled By: M. Hinkle
 Sampling Time: 1090 Recorded By: M. Hinkle
 Weather: Sunny 77° Duplicate/QA/QC: —

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52
		X8J70N06

Purging Information

Casing Material: PVC Purge Method: (circle one) Submersible Centrifugal Bladder Bailor Peristaltic
 Casing Diameter: 2 Screen Interval: From: _____ To: _____
 Total Depth: 20.2 Sampling Interval: _____
 Depth to Water: 10.37 Volumes to be Purged: _____
 Water Column: 9.84 Total Volume Purged: 2.50
 Gallons/Foot: 0.16 Pump On: 1020 Off: 1055
 Gallons in Well: 1.574 PID Reading: _____

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
1020	—	2.00	—	10.37	7.14	0.753	1000	3.22	26.77	-107	
1025	5	1	0.5	10.34	7.08	0.767	1000	0.97	26.12	-115	
1030	10	1	0.50	10.40	6.96	0.731	1000	0.52	25.66	-118	
1035	15	1	0.75	10.41	6.98	0.759	904	0.38	25.96	-121	
1040	20	1	1.00	10.41	6.99	0.710	534	0.31	26.21	-126	
1045	25	1	1.50	10.41	7.11	0.695	46.3	0.28	26.67	-130	
1050	30	1	2.00		7.11	0.715	46.0	0.28	25.67	-134	
1055	35	1	2.50		7.12	0.714	48.5	0.22	25.89	-137	

Observations During Sampling

Well Condition: good Purge Water Disposal: _____
 Color: grey Turbidity(qualitative): _____
 Odor: _____ Other (OVA, HNU, etc.): _____

Constituents Sampled	From Lab	ARCADIS	Container Description	Preservative
VOCs	3x Vials			HCL
Dissolved Lead	1 x 250ml Plastic			HNO3



Project Number: 30108678.03B
 Date: 07/11/22
 Sampling Time: 1210
 Weather: Sunny 60°

Site: Alliance 51st St
 Well ID: MW-2
 Sampled By: M. Hank
 Recorded By: M. Hank
 Duplicate/QA/QC: —

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52
		<u>X8770N06</u>

Purging Information

Casing Material: PVC
 Casing Diameter: 2"
 Total Depth: 20.23
 Depth to Water: 7.08
 Water Column: 13.15
 Gallons/Foot: 0.6
 Gallons in Well: 2.104

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
 Screen Interval: From: — To: —
 Sampling Interval: —
 Volumes to be Purged: —
 Total Volume Purged: 2.75
 Pump On: 1120 Off: 12:05
 PID Reading: —

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
1120	0	100	—	7.24	7.09	0.556	44.5	0.45	73.6	-11	
1125	5		0.25	7.31	6.81	0.556	30.2	0.46	22.08	-92	
1130	10		0.50	7.31	6.95	0.537	61.5	0.52	21.28	-126	
1135	15		0.75	7.31	7.57	0.516	0.0	0.34	21.47	-207	
1140	20		1.00	7.31	7.67	0.516	0.0	0.33	21.49	-211	
1145	25		1.25	7.31	7.97	0.514	0.0	0.28	21.62	-245	
1150	30		2.00	7.31	8.44	0.503	0.0	0.25	21.77	-286	
1155	35		2.25	7.31	8.82	0.497	0.0	0.23	21.89	-316	
1200	40		2.50	7.31	8.89	0.501	0.0	0.16	21.87	-325	
1205	45		2.75	7.31	8.88	0.503	0.0	0.25	21.92	-326	

Observations During Sampling

Well Condition: good
 Color: black → clear
 Odor: none

Purge Water Disposal: —
 Turbidity(qualitative): —
 Other (OVA, HNU, etc.): —

Constituents Sampled	From Lab	ARCADIS	Container Description	Preservative
VOCs	3x Vials			HCL
Dissolved Lead	1 x 250ml Plastic			HNO3

Groundwater Sampling Form

Project Number: 30108678.03B Site: Alliance 51st St Well ID: NW-3
 Date: 07/11/22 Sampled By: M Hank
 Sampling Time: 0940 Recorded By: M Hank
 Weather: Sunny Duplicate/QA/QC: —

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52
		<u>X8570ND6</u>

Purging Information

Casing Material: PVC Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
 Casing Diameter: 2 Screen Interval: From: _____ To: _____
 Total Depth: 24.03 Sampling Interval: _____
 Depth to Water: 5.93 Volumes to be Purged: _____
 Water Column: 18.10 Total Volume Purged: 5.50
 Gallons/Foot: 0.16 Pump On: 0840 Off: 935
 Gallons in Well: 23.0812 PID Reading: —

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
0840	—	200	—	6.31	6.50	1.71	1000	8.62	18.62	-28	
0845	5		0.50	6.31	6.61	1.72	187	1.62	17.88	-72	
0850	10		1.00	6.32	6.63	1.76	96.7	1.16	18.00	-88	
0855	15		1.50	6.33	6.66	1.82	60.0	0.91	17.82	-95	
0900	20		2.00	6.36	6.74	1.302	55.6	0.82	18.04	-61	
0905	25		2.50	6.34	6.96	0.985	33.7	0.81	18.27	-23	
0910	30		3.00	6.35	6.742	0.909	29.3	0.83	18.49	-33	
0915	35		3.50	6.40	9.11	0.856	9.2	0.81	18.51	-103	
0920	40		4.00	6.43	9.40	0.815	10.6	0.78	18.61	-128	
0925	45		4.50	6.51	9.55	0.802	10.0	0.79	18.88	-148	
0930	50		5.00	6.55	9.62	0.797	10.58	0.68	18.94	-147	
0935	55		5.50	6.57	9.65	0.802	6.2	0.64	18.99	-148	

Observations During Sampling

Well Condition: good Purge Water Disposal: _____
 Color: yellow Turbidity(qualitative): _____
 Odor: none Other (OVA, HNU, etc.): _____

Constituents Sampled	From Lab	ARCADIS	Container Description	Preservative
VOCs	3x Vials			HCL
Dissolved Lead	1 x 250ml Plastic			HNO3

Groundwater Sampling Form

Project Number: 30108678.03B Site: Alliance 51st St Well ID: MW-4
 Date: 07/11/22 Sampled By: Mh
 Sampling Time: 7:24pm Recorded By: Mh
 Weather: Duplicate/QA/QC:

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52

Purging Information

Casing Material: PVC Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
 Casing Diameter: 2 Screen Interval: From: To:
 Total Depth: 21.5m Sampling Interval:
 Depth to Water: 10.4m Volumes to be Purged:
 Water Column: Total Volume Purged:
 Gallons/Foot: Pump On: Off:
 Gallons in Well: PID Reading: -6.6

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
12:02	5	24		12.51	12.96	5.12	718	2.13	14.16	17	
12:03	5				12.97	6.14	100	2.1	14.1	17	
12:05	10				13.08	6.40	401	2.29	13.99	17	
12:09	14			10.55	13.09	6.44	303	2.71	13.70	17	
12:15	20				13.0	6.46	212	2.37	14.0	17	
12:19	24				13.0	6.46	166	2.41	14.0	17	
12:20	25				13.0	6.46	166	2.41	14.0	17	
12:21	26			10.57	13.0	6.46	948	2.47	14.0	17	
12:22	27				13.0	6.46	101	2.42	14.0	17	
12:24	29		5	10.57	13.05	6.47	90.8	2.41	14.00	170	

Observations During Sampling

Well Condition: Purge Water Disposal:
 Color: Yellow Turbidity(qualitative):
 Odor: Other (OVA, HNU, etc.):

Constituents Sampled	From Lab	ARCADIS	Container Description	Preservative
VOCs	3x Vials			HCL
Dissolved Lead	1 x 250ml Plastic			HNO3

Groundwater Sampling Form



Site: Alliance 51st St Well ID: MW-6
 Sampled By: ML
 Recorded By: ML
 Duplicate/QA/QC: REP-1

Instrument:	PID	Water Quality Meter(s) Horiba U-52
Serial #:		

Casing Material:	PVC
Casing Diameter:	2
Total Depth:	21.35
Depth to Water:	11.94
Water Column:	
Gallons/Foot:	
Gallons in Well:	

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic

Screen Interval: From: _____ To: _____

Sampling Interval: _____

Volumes to be Purged: _____

Total Volume Purged: _____

Pump On: _____ Off: _____

PID Reading: 0.00

[illegible]

Well Condition: Good
Color: Clear
Odor: None

Purge Water Disposal: _____
 Turbidity(qualitative): _____
 Other (OVA, HNU,etc.): _____

Constituents Sampled	Container Description	
	From Lab _____ ARCADIS _____	Preservative
VOCs	3x Vials	HCL
Dissolved Lead	1 x 250ml Plastic	HNO3

Groundwater Sampling Form



Project Number: 30108678.03B
 Date: 07/11/22
 Sampling Time: 1330
 Weather: Sunny 46°

Site: Alliance 51st St
 Well ID: NW-7
 Sampled By: M. Hank
 Recorded By: M. Hank
 Duplicate/QA/QC: -

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52
		X8570NO6

Purging Information

Casing Material: PVC
 Casing Diameter: 2"
 Total Depth: 18.95
 Depth to Water: 5.15
 Water Column: 13.80
 Gallons/Foot: 0.16
 Gallons in Well: 2.208

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
 Screen Interval: From: To:
 Sampling Interval:
 Volumes to be Purged:
 Total Volume Purged:
 Pump On: 12:40 Off: 1330
 PID Reading: -

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (umhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
1240	-	700	-	5.15	10.44	1.64	736	2.38	20.45	-191	
1245	5	250	0.25	5.13	10.94	1.16	691	0.97	20.62	-222	
1250	10		0.50	5.27	11.21	1.95	687	0.46	22.17	-246	
1255	15		0.75	5.37	11.25	1.92	643	0.39	23.6	-244	
1300	20		1.00	5.44	11.43	1.74	170	0.29	22.22	-271	
1305	25		1.25	5.61	11.36	1.64	69.5	0.25	21.59	-285	
1310	30		1.50	5.83	11.59	1.64	60.3	0.23	21.61	-291	
1315	35		2.00	5.59	11.60	1.64	50.7	0.21	21.66	-295	
1320	40		2.25	5.57	11.59	1.64	49.7	0.20	21.97	-299	
1325	45		2.50	5.66	11.59	1.64	49.43.6	0.22	22.18	-302	
1330	50		2.75	6.00	11.59	1.63	42.0	0.22	22.25	-303	

Observations During Sampling

Well Condition: good
 Color: yellow/green
 Odor: None

Purge Water Disposal:
 Turbidity(qualitative):
 Other (OVA, HNU, etc.):

Constituents Sampled	From Lab	ARCADIS	Container Description
VOCs	3x Vials		Preservative HCL
Dissolved Lead	1 x 250ml Plastic		HNO3

Groundwater Sampling Form

Project Number: 30108678.03B Site: Alliance 51st St Well ID: MW-8
Date: 07/11/22 Sampled By: MDH
Sampling Time: 9:00 Recorded By: MDH
Weather: Sunny 80 Duplicate/QA/QC: -

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52

Purging Information

Casing Material: PVC Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
Casing Diameter: 2 Screen Interval: From: To:
Total Depth: 19.8 Sampling Interval:
Depth to Water: 4.29 Volumes to be Purged:
Water Column: Total Volume Purged:
Gallons/Foot: Pump On: Off:
Gallons in Well: PID Reading: 0/0 / 176

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
8:45	5	25		4.31	6.54	6,972	811	0.18	27.4	18	
8:50	10				6.61	6,541	427	0.19	27.5	-10	
8:55	15			4.37	6.68	6,541	278	0.20	27.6	-20	
9:00	20			4.45	6.75	6,526	127	0.28	27.8	-40	
9:05	25				6.78	6,516	119	0.24	27.9	-41	
9:10	30			4.47	6.71	6,517	116	0.22	28.0	-42	
9:15	35			4.51	6.71	6,517	116	0.22	28.1	-42	
9:20	40		5	4.51	6.71	6,513	117	0.21	28.1	-42	

Observations During Sampling

Well Condition: Good Purge Water Disposal:
Color: 100 Turbidity(qualitative):
Odor: None Other (OVA, HNU, etc.):

Constituents Sampled	From Lab	ARCADIS	Container Description	Preservative
VOCs	3x Vials			HCL
Dissolved Lead	1 x 250ml Plastic			HNO3

Groundwater Sampling Form

Project Number: 30108678.03B
 Date: 07/11/22
 Sampling Time: 11:45
 Weather:

Site: Alliance 51st St
 Well ID: M4-9
 Sampled By: M11
 Recorded By: mh
 Duplicate/QA/QC:

Instrument Identification

Instrument:	PID	Water Quality Meter(s)
Serial #:		Horiba U-52

Purging Information

Casing Material: PVC
 Casing Diameter: 2
 Total Depth: 21.65
 Depth to Water: 10.73
 Water Column:
 Gallons/Foot:
 Gallons in Well:

Purge Method: (circle one) Submersible Centrifugal Bladder Bailer Peristaltic
 Screen Interval: From: To:
 Sampling Interval:
 Volumes to be Purged:
 Total Volume Purged:
 Pump On: Off:
 PID Reading: 0/0.15

Field Parameter Measurements During Purging

Time	Minutes Elapsed	Rate (gpm or ml)	Volume Purged	Depth to Water	pH (SI Units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Diss. Oxygen	Temp (°C or °F)	ORP (mV)	Comments:
10:40	5		6		12.56	8.22	21.00	9.73	22.8	-1.5	
11:10	10	2.5		10.97	10.97	7.45	12.9	0.5	25.2	-1.5	
11:15	15			10.97	10.97	7.44	11.8	0.5	25.15	-1.5	
11:20	20			10.97	10.96	7.44	11.2	0.5	25.11	-1.5	
11:25	25			10.97	10.96	7.43	10.9	0.5	25.07	-1.6	
11:30	30			10.97	10.96	7.42	10.2	0.5	25.04	-1.6	
11:35	35			10.97	10.96	7.42	10.4	0.5	19.74	-1.6	
11:40	40		5	11.01	10.96	17.37	10.7	0.5	19.66	-1.7	
								0.5	19.67	-1.7	

Observations During Sampling

Well Condition:
 Color:
 Odor:

Purge Water Disposal:
 Turbidity(qualitative):
 Other (OVA, HNU, etc.):

Constituents Sampled	From Lab	ARCADIS	Container Description	Preservative
VOCs	3x Vials			HCL
Dissolved Lead	1 x 250ml Plastic			HNO3